



Compressor ZB para refrigeración de media temperatura con y sin funda acústica.



Compressor scroll YB.

Compresores Scroll y Semiherméticos



3DS3F46KE-TFD



3DS3F46KE-TFD

*Compresores Semiherméticos
Baja Temperatura*



Rating Conditions

18.3 °C Return Gas
0 K Subcooling
35 °C Ambient Air Over

50 Hz Operation

LOW TEMPERATURE

HFCs Require Polyol Ester Lubricant
See Form 93-11

3DS3F46KE-TFD

HFC-507
DISCUS® COMPRESSOR
TFD 380/420-3-50

Condensing Temperature °C
(Sat. Dew Pt. Pressure, bar)

Evaporating Temperature °C (Sat. Dew Pt. Pressure, bar)

		-40.0(1.4)	-35.0(1.7)	-30.0(2.1)	-25.0(2.6)	-20.0(3.1)	-18.0(3.4)
54.0 (25.8)	C	4,950	7,150	9,550	12,250	15,300	16,600
	P	5,400	6,750	8,100	9,350	10,500	11,000
	A	11.2	13.0	14.9	16.7	18.5	19.2
	M	48	69	93	121	152	165
	E	0.9	1.1	1.2	1.3	1.5	1.5
	%	67.9	71.6	72.9	73.2	73.1	73.0
50.0 (23.6)	C	5,800	8,050	10,550	13,350	16,600	18,000
	P	5,500	6,750	8,000	9,150	10,300	10,700
	A	11.3	13.0	14.7	16.4	18.1	18.8
	M	52	73	96	122	153	167
	E	1.1	1.2	1.3	1.5	1.6	1.7
	%	70.4	72.4	72.9	72.8	72.5	72.4
40.0 (18.7)	C	7,450	9,850	12,650	15,900	19,600	21,300
	P	5,600	6,600	7,600	8,550	9,500	9,850
	A	11.4	12.7	14.1	15.5	16.9	17.5
	M	58	77	99	125	156	170
	E	1.3	1.5	1.7	1.9	2.1	2.2
	%	70.8	71.3	71.3	71.2	70.8	70.6
30.0 (14.6)	C	8,600	11,250	14,400	18,100	22,600	24,600
	P	5,350	6,200	7,000	7,800	8,600	8,850
	A	11.1	12.2	13.3	14.5	15.6	16.1
	M	59	78	100	127	159	174
	E	1.6	1.8	2.1	2.3	2.6	2.8
	%	67.9	68.7	69.0	69.0	68.5	68.1
20.0 (11.2)	C	9,450	12,450	16,100	20,400	25,600	27,900
	P	4,950	5,600	6,300	6,950	7,650	7,900
	A	10.8	11.6	12.5	13.4	14.4	14.8
	M	59	78	101	129	163	178
	E	1.9	2.2	2.6	2.9	3.4	3.5
	%	64.6	66.0	66.6	66.3	65.1	64.3
10.0 (8.5)	C	10,300	13,700	17,900	23,000	29,000	31,500
	P	4,410	4,950	5,500	6,100	6,700	6,950
	A	10.5	11.1	11.8	12.6	13.5	13.9
	M	59	79	103	133	169	185
	E	2.3	2.8	3.2	3.8	4.3	4.6
	%	62.1	63.6	63.8	62.4	59.3	57.7
5.0 (7.3)	C	10,750	14,400	18,900	24,400	31,000	34,000
	P	4,110	4,600	5,150	5,700	6,250	6,500
	A	10.4	11.0	11.6	12.4	13.2	13.6
	M	59	80	105	136	173	189
	E	2.6	3.1	3.7	4.3	4.9	5.2
	%	61.1	62.4	61.9	59.4	54.9	52.6



3DS3F46KE-TFD

C: Capacidad (W), P: Potencia (W), A: Corriente (amperios), M: flujo de masa (gm/s), E: COP, %: isentrópica Eficiencia (%)

Nominal Performance Values (±5%) based on 72 hours run-in. Subject to change without notice. Current @ 380 V

3DS3F46KE-TFD-200

380/420 Volts, 50 Hz, 3 Phase
R-507, Dew-Point, Low Temp, Low Condensing (Discus)

Resumen



Eléctrico

Voltaje Medio	Ato Voltaje	Fase	Frecuencia	RPM		
380	420	3	50	0		
Corriente Continua Máxima - CCM (Amps.)	Corriente Operativa Máxima (Amps.)	Amperes de Carga Asignada - RLA		Amperes de Rotor Trabajado - LRA		
		Cant. Corr. Máx. / 1.4 Usar Para Selección de Contactista	Cant. Corr. Máx. / 1.56 Usar para Selección de Medida de Interruptor y Cable	Bajo	Altura	Medio Bobinado
26		18.6	16.7		106.0	

Mecánico

Dimensiones Generales			Dimensiones de Montaje			Conexión de Succión		Conexión de Descarga	
Largo (mm)	Ancho (mm)	Alto (mm)	Largo (mm)	Ancho (mm)	Alto (mm)	Medida (pulg.)	Tipo	Medida (mm)	Tipo
693,42	378,97	487,17	381,00	304,80	531,62	1-3/8	Sweat	1-3/8	Sweat

Desplazamiento

N° de Cilindros	Calibre (mm)	Recorrido (mm)	Desplazamiento (cm³/Revolución)	Desplazamiento (m³/hr)	Caballaje (HP)	Plano	Peso (kg)
3	61,93	63,50	573,74	49,91	7	497-1398-00	174,63
Tipo de Aceite	Carga Inicial (litro)	Recarga (litro)	Información de Agencia				
			Nro. Archivo UL	Fecha Archivo UL	N° Archivo CSA		
POE	3,7	3,4					

Sonido y Vibración

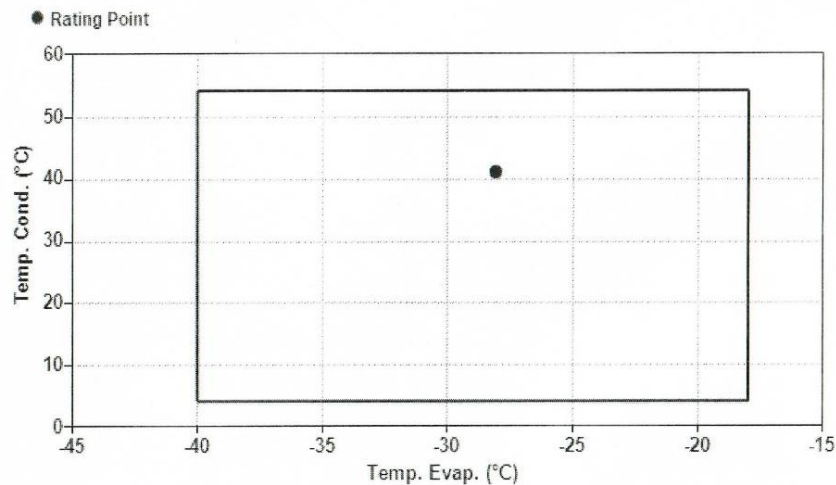
Nivel Promedio de Intensidad de Sonido (dBA)	Nivel Máximo de Intensidad del Sonido (dBA)	Vibración Promedio Pico-Pico (mm)	Vibración Máxima Pico-Pico (mm)	Impulso de Descarga Promedio Pico-Pico (bar.)	Impulso de Descarga Máxima Pico-Pico (bar.)
			0,122	1	1

Emerson Climate Technologies

January 24, 2023

Marco Operativo

Marco Operativo: 3DS3F46KE-TFD (HFC-507)



Rating Ref. No.: 06-527

Rating Conditions

18.3 °C Return Gas
0 K Subcooling
35 °C Ambient Air Over

50 Hz Operation

LOW TEMPERATURE

HFCs Require Polyol Ester Lubricant
See Form 93-11

3DB3F33KE-TFD

HFC-507
DISCUS® COMPRESSOR
TFD 380/420-3-50

Condensing Temperature °C
(Sat. Dew Pt. Pressure, bar)

Evaporating Temperature °C (Sat. Dew Pt. Pressure, bar)

	-40.0(1.4)	-35.0(1.7)	-30.0(2.1)	-25.0(2.6)	-20.0(3.1)	-18.0(3.4)
54.0 C	3,500	4,900	6,600	8,500	10,650	11,550
(25.8) P	3,890	4,770	5,700	6,600	7,400	7,700
A	8.6	9.7	10.9	12.2	13.5	14.0
M	34	48	64	84	106	115
E	0.9	1.0	1.2	1.3	1.4	1.5
%	66.5	69.5	71.3	72.2	72.6	72.6
50.0 C	3,950	5,450	7,300	9,450	11,850	12,850
(23.6) P	3,960	4,800	5,700	6,550	7,350	7,650
A	8.7	9.7	10.9	12.2	13.4	13.9
M	36	49	66	86	109	119
E	1.0	1.1	1.3	1.4	1.6	1.7
%	67.0	69.3	70.9	71.9	72.3	72.4
40.0 C	5,200	6,900	9,100	11,700	14,750	16,100
(18.7) P	4,010	4,740	5,500	6,250	7,000	7,250
A	8.7	9.6	10.7	11.8	12.8	13.3
M	40	54	71	93	117	128
E	1.3	1.5	1.7	1.9	2.1	2.2
%	68.4	69.6	70.8	71.7	72.1	72.2
30.0 C	6,400	8,300	10,800	13,900	17,600	19,200
(14.6) P	3,950	4,510	5,150	5,750	6,350	6,550
A	8.6	9.4	10.2	11.1	11.9	12.2
M	44	57	75	97	124	136
E	1.6	1.8	2.1	2.4	2.8	2.9
%	68.4	69.4	70.7	71.6	71.9	71.8
20.0 C	7,450	9,500	12,300	15,900	20,100	22,000
(11.2) P	3,820	4,190	4,620	5,050	5,500	5,650
A	8.4	8.9	9.5	10.1	10.7	10.9
M	47	60	78	101	128	141
E	2.0	2.3	2.7	3.1	3.7	3.9
%	65.8	67.6	69.6	70.7	70.8	70.6
10.0 C	8,250	10,450	13,550	17,500	22,400	24,500
(8.5) P	3,690	3,820	4,020	4,270	4,500	4,580
A	8.2	8.3	8.6	8.9	9.1	9.2
M	47	60	78	102	130	143
E	2.2	2.7	3.4	4.1	5.0	5.4
%	59.4	63.0	66.3	68.2	68.1	67.6
5.0 C	8,500	10,800	14,000	18,200	23,300	25,600
(7.3) P	3,630	3,630	3,710	3,840	3,950	3,990
A	8.0	8.0	8.1	8.2	8.2	8.2
M	47	60	78	101	130	144
E	2.3	3.0	3.8	4.7	5.9	6.4
%	54.6	59.2	63.4	65.8	65.7	64.9



3DS3F46KE-TFD

C: Capacidad (W), P: Potencia (W), A: Corriente (amperios), M: flujo de masa (gm/s), E: COP, %: isentrópica Eficiencia (%)

Nominal Performance Values (±5%) based on 72 hours run-in. Subject to change without notice. Current @ 380 V

3DB3F33KE-TFD-200

380/420 Volts, 50 Hz, 3 Phase
R-507, Mid-Point, Low Temp, Low Condensing (Discus)

Resumen



Eléctrico

Voltaje Medio	Ato Voltaje	Fase	Frecuencia	RPM		
380	420	3	50	0		
Corriente Continua Máxima - CCM (Amps.)	Corriente Operativa Máxima (Amps.)	Amperes de Carga Asignada - RLA		Amperes de Rotor Trabado - LRA		
		Cant. Corr. Máx. / 1,4 Usar Para Selección de Contactista	Cant. Corr. Máx. / 1,56 Usar para Selección de Medida de Interruptor y Cable	Bajo	Alto	Medio Bobinado
22		15.7	14.1		83.0	

Mecánico

Dimensiones Generales			Dimensiones de Montaje			Conexión de Succión		Conexión de Descarga	
Largo (mm)	Ancho (mm)	Alto (mm)	Largo (mm)	Ancho (mm)	Alto (mm)	Medida (pulg.)	Tipo	Medida (mm)	Tipo
656,84	378,97	485,90	381,00	304,80	535,69	1-3/8	Sweat	1-3/8	Sweat

Desplazamiento

N° de Cilindros	Calibre (mm)	Recorrido (mm)	Desplazamiento (cm³/Revolución)	Desplazamiento (m³/hr)	Caballaje (HP)	Plano	Peso (kg)
3	60,33	50,80	435,59	37,89	5,5	497-1400-00	174,63
Tipo de Aceite	Carga Inicial (litro)	Recarga (litro)	Información de Agencia				
POE	3,7	3,4	Nro. Archivo UL	Fecha Archivo UL	N° Archivo CSA		

Sonido y Vibración

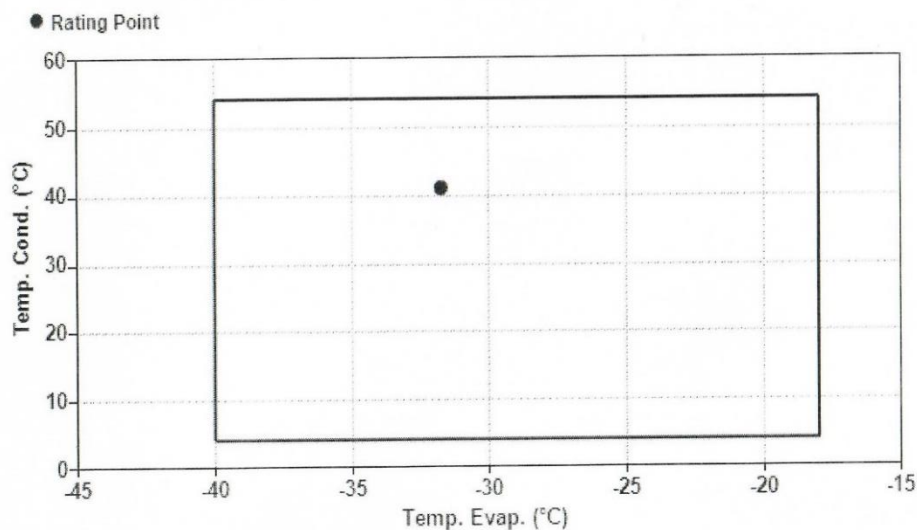
Nivel Promedio de Intensidad de Sonido (dBA)	Nivel Máximo de Intensidad del Sonido (dBA)	Vibración Promedio Pico-Pico (mm)	Vibración Máxima Pico-Pico (mm)	Impulso de Descarga Promedio Pico-Pico (bar.)	Impulso de Descarga Máxima Pico-Pico (bar.)
			0,122	1	1

Emerson Climate Technologies

January 24, 2023

Marco Operativo

Marco Operativo: 3DB3F33KE-TFD (HFC-507)



Rating Ref. No.: 06-171

Rating Conditions

18.3 °C Return Gas
0 K Subcooling
35 °C Ambient Air Over

50 Hz Operation

LOW TEMPERATURE

3DB3F33KE-TFD

HFC-404A
DISCUS® COMPRESSOR
TFD 380/420-3-50

HFCs Require Polyol Ester
Lubricant See Form 93-11

Condensing Temperature °C
(Sat. Dew Pt. Pressure, bar)

Evaporating Temperature °C (Sat. Dew Pt. Pressure, bar)

		-40.0 (1.3)	-35.0 (1.6)	-30.0 (2)	-25.0 (2.5)	-20.0 (3)	-18.0 (3.2)
54.0 (25.1)	C	3,400	4,750	6,400	8,250	10,350	11,250
	P	3,820	4,680	5,550	6,450	7,250	7,550
	A	8.4	9.5	10.7	12.0	13.3	13.8
	M	31	44	60	78	99	108
	E	0.9	1.0	1.2	1.3	1.4	1.5
	%	65.2	68.1	69.8	70.7	71.0	71.0
50.0 (23)	C	3,850	5,300	7,100	9,150	11,500	12,500
	P	3,880	4,710	5,550	6,400	7,200	7,500
	A	8.5	9.5	10.7	11.9	13.2	13.6
	M	33	46	62	81	102	112
	E	1.0	1.1	1.3	1.4	1.6	1.7
	%	65.9	68.1	69.7	70.6	71.0	71.0
40.0 (18.1)	C	5,050	6,700	8,800	11,350	14,350	15,600
	P	3,940	4,640	5,400	6,150	6,850	7,100
	A	8.6	9.5	10.5	11.5	12.6	13.0
	M	38	51	67	87	110	121
	E	1.3	1.4	1.6	1.9	2.1	2.2
	%	67.6	68.7	69.9	70.7	71.1	71.2
30.0 (14.1)	C	6,200	8,050	10,500	13,500	17,000	18,600
	P	3,870	4,420	5,050	5,650	6,250	6,450
	A	8.5	9.2	10.0	10.9	11.7	12.0
	M	42	54	71	92	117	128
	E	1.6	1.8	2.1	2.4	2.7	2.9
	%	67.8	68.8	70.0	70.8	71.1	71.0
20.0 (10.8)	C	7,250	9,250	11,950	15,400	19,500	21,400
	P	3,750	4,100	4,530	4,970	5,400	5,550
	A	8.3	8.7	9.3	9.9	10.4	10.6
	M	44	56	73	95	121	133
	E	1.9	2.3	2.6	3.1	3.6	3.9
	%	65.3	67.1	69.0	70.1	70.2	69.9
10.0 (8.2)	C	8,000	10,150	13,150	17,000	21,700	23,800
	P	3,610	3,740	3,950	4,180	4,410	4,490
	A	8.0	8.2	8.4	8.7	8.9	9.0
	M	45	57	74	96	123	136
	E	2.2	2.7	3.3	4.1	4.9	5.3
	%	59.0	62.6	65.8	67.7	67.6	67.1
5.0 (7)	C	8,250	10,450	13,600	17,700	22,600	24,900
	P	3,560	3,560	3,640	3,760	3,880	3,910
	A	7.8	7.8	7.9	8.0	8.1	8.1
	M	45	56	74	96	124	136
	E	2.3	2.9	3.7	4.7	5.8	6.4
	%	54.3	58.8	63.0	65.4	65.3	64.4



3DB3F33KE-TFD

C: Capacidad (W), P: Potencia (W), A: Corriente (amperios), M: flujo de masa (gm/s), E: COP, %: isentrópica Eficiencia (%)

Nominal Performance Values (±5%) based on 72 hours run-in. Subject to change without notice. Current @ 380 V

3DB3F33KE-TFD-200

380/420 Volts, 50 Hz, 3 Phase
R-404A, Mid-Point, Low Temp, Low Condensing
(Discus)

Resumen



Eléctrico

Voltaje Medio	Ato Voltaje	Fase	Frecuencia	RPM		
380	420	3	50	0		
Corriente Continua Máxima - CCM (Amps.)	Corriente Operativa Máxima (Amps.)	Amperes de Carga Asignada - RLA		Amperes de Rotor Trabado - LRA		
		Cont. Corr. Máx. / 1,4 Usar Para Selección de Contatista	Cont. Corr. Máx. / 1,56 Usar para Selección de Medida de Interruptor y Cable	Bajo	Altura	Medio Bobinado
22		15.7	14.1		83.0	

Mecánico

Dimensiones Generales			Dimensiones de Montaje			Conexión de Succión		Conexión de Descarga	
Largo (mm)	Ancho (mm)	Alto (mm)	Largo (mm)	Ancho (mm)	Alto (mm)	Medida (pulg.)	Tipo	Medida (mm)	Tipo
656.84	378.97	485.90	381.00	304.80	535.69	1-3/8	Sweat	1-3/8	Sweat

Desplazamiento

N° de Cilindros	Calibre (mm)	Recorrido (mm)	Desplazamiento (cm³/Revolución)	Desplazamiento (m³/hr)	Caballaje (HP)	Plano	Peso (kg)
3	60.33	50.80	435.59	37.89	5.5	497-1400-00	174.63
Tipo de Aceite	Carga Inicial (litro)	Recarga (litro)	Información de Agencia				
			Nro. Archivo UL	Fecha Archivo UL	N° Archivo CSA		
POE	3.7	3.4					

Sonido y Vibración

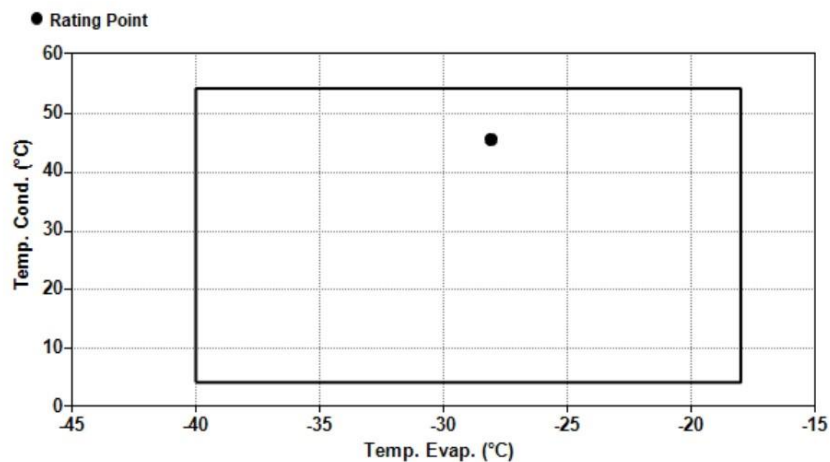
Nivel Promedio de Intensidad de Sonido (dBA)	Nivel Máximo de Intensidad del Sonido (dBA)	Vibración Promedio Pico-Pico (mm)	Vibración Máxima Pico-Pico (mm)	Impulso de Descarga Promedio Pico-Pico (bar.)	Impulso de Descarga Máxima Pico-Pico (bar.)
			0.122	1	1

Emerson Climate Technologies

January 25, 2023

Marco Operativo

Marco Operativo: 3DB3F33KE-TFD (HFC-404A)



Rating Ref. No.: 05-1131

Rating Conditions
18.3 °C Return Gas
0 K Subcooling
35 °C Ambient Air Over

LOW TEMPERATURE
Blue Area Restrictions: Low Superheat and/or Demand Cooling.
Refer to AFA-1287 for Details

3DB3F33KE-TFD
HFO-448A
DISCUS® COMPRESSOR
TFD 380/420-3-50

50 Hz Operation

Condensing Temperature °C (Sat. Dew Pt. Pressure, bar) Evaporating Temperature °C (Sat. Dew Pt. Pressure, bar)

		-40.0 (1)	-37.0 (1.2)	-34.0 (1.3)	-32.0 (1.5)	-29.0 (1.7)	-26.0 (1.9)	-23.0 (2.2)	-21.0 (2.4)	-18.0 (2.7)
60.0 (27.2)	C		2,110	3,150	3,870	5,020	6,280	7,690	8,720	10,450
	P		4,160	4,560	4,850	5,330	5,880	6,490	6,940	7,670
	A		7.7	8.4	9.0	9.8	10.7	11.6	12.3	13.3
	M		15	23	28	37	46	57	65	78
	E		0.5	0.7	0.8	0.9	1.1	1.2	1.3	1.4
%		37.3	47.9	53.3	59.3	63.6	66.5	67.9	69.2	
53.0 (23.1)	C	2,090	3,130	4,200	4,940	6,140	7,470	8,940	10,050	11,850
	P	3,710	4,090	4,490	4,790	5,260	5,770	6,340	6,760	7,430
	A	7.7	8.3	8.9	9.4	10.1	10.9	11.8	12.4	13.3
	M	14	21	28	33	41	50	60	68	80
	E	0.6	0.8	0.9	1.0	1.2	1.3	1.4	1.5	1.6
%	37.6	48.2	55.5	59.0	62.9	65.4	67.1	67.7	68.2	
46.0 (19.4)	C	3,140	4,210	5,310	6,090	7,350	8,730	10,300	11,450	13,350
	P	3,630	4,020	4,420	4,710	5,150	5,630	6,150	6,520	7,110
	A	7.8	8.4	8.9	9.4	10.0	10.7	11.5	12.0	12.8
	M	19	26	33	38	46	54	64	71	83
	E	0.9	1.1	1.2	1.3	1.4	1.6	1.7	1.8	1.9
%	50.1	57.0	61.5	63.6	65.8	67.1	67.7	67.9	67.7	
39.0 (16.3)	C	4,180	5,270	6,420	7,240	8,550	10,000	11,650	12,850	14,850
	P	3,540	3,930	4,330	4,590	5,000	5,430	5,890	6,210	6,710
	A	7.7	8.2	8.7	9.1	9.7	10.3	10.9	11.3	12.0
	M	24	30	37	42	49	58	67	75	86
	E	1.2	1.3	1.5	1.6	1.7	1.8	2.0	2.1	2.2
%	59.3	63.3	65.7	66.7	67.7	68.1	68.1	67.9	67.3	
32.0 (13.6)	C	5,120	6,250	7,450	8,300	9,680	11,200	12,900	14,200	16,250
	P	3,450	3,830	4,190	4,440	4,800	5,170	5,550	5,810	6,220
	A	7.4	7.9	8.3	8.6	9.1	9.6	10.2	10.5	11.1
	M	28	34	40	45	52	61	70	77	89
	E	1.5	1.6	1.8	1.9	2.0	2.2	2.3	2.4	2.6
%	65.0	66.9	67.8	68.2	68.4	68.3	67.9	67.5	66.8	
25.0 (11.2)	C	5,890	7,060	8,310	9,200	10,650	12,250	14,050	15,400	17,550
	P	3,320	3,670	4,010	4,220	4,530	4,820	5,110	5,310	5,610
	A	7.1	7.5	7.9	8.2	8.6	9.0	9.4	9.7	10.1
	M	30	36	42	47	54	63	72	79	91
	E	1.8	1.9	2.1	2.2	2.4	2.5	2.8	2.9	3.1
%	67.4	67.9	68.0	68.0	67.8	67.6	67.2	66.8	66.0	
18.0 (9.1)	C	6,410	7,640	8,940	9,880	11,400	13,100	14,950	16,350	18,650
	P	3,140	3,470	3,760	3,930	4,160	4,380	4,570	4,700	4,880
	A	7.0	7.3	7.6	7.8	8.1	8.4	8.8	9.0	9.2
	M	31	37	43	48	55	63	73	80	91
	E	2.0	2.2	2.4	2.5	2.7	3.0	3.3	3.5	3.8
%	66.7	66.5	66.4	66.3	66.2	66.1	65.9	65.7	65.1	
11.0 (7.4)	C	6,610	7,890	9,260	10,250	11,850	13,600	15,600	17,050	19,450
	P	2,910	3,190	3,420	3,550	3,700	3,820	3,910	3,960	4,010
	A	7.1	7.3	7.6	7.7	8.0	8.2	8.3	8.5	8.6
	M	30	36	43	47	55	63	72	79	90
	E	2.3	2.5	2.7	2.9	3.2	3.6	4.0	4.3	4.9
%	63.3	63.2	63.2	63.4	63.7	64.2	64.5	64.6	64.5	
4.0 (5.9)	C	6,420	7,750	9,180	10,200	11,900	13,750	15,850	17,350	19,900
	P	2,600	2,830	2,990	3,070	3,130	3,140	3,110	3,070	2,980
	A	7.6	7.8	8.0	8.0	8.2	8.3	8.3	8.4	8.4
	M	28	34	40	45	52	61	70	77	88
	E	2.5	2.7	3.1	3.3	3.8	4.4	5.1	5.7	6.7
%	57.6	58.1	58.9	59.6	60.8	62.2	63.6	64.4	65.5	

C: Capacidad (W), P: Potencia (W), A: Corriente (amperios), M: flujo de masa (gm/s), E: COP, %: isentrópica Eficiencia (%)

Nominal Performance Values (±5%) based on 72 hours run-in. Subject to change without notice. Current @ 400 V

3DB3F33KE-TFD-200

380/420 Volts, 50 Hz, 3 Phase
R-448A, Dew-Point, Low Temp, Low Condensing
(Discus)

Resumen



Eléctrico

Voltaje Medio	Ato Voltaje	Fase	Frecuencia	RPM		
380	420	3	50	0		
Corriente Continua Máxima - CCM (Amps.)	Corriente Operativa Máxima (Amps.)	Amperes de Carga Asignada - RLA		Amperes de Rotor Trabado - LRA		
		Cont. Corr. Máx. / 1.4 Usar Para Selección de Contactista	Cont. Corr. Máx. / 1.56 Usar para Selección de Medida de Interruptor y Cable	Bajo	Altura	Medio Bobinado
22		15.7	14.1		83.0	

Mecánico

Dimensiones Generales			Dimensiones de Montaje			Conexión de Succión		Conexión de Descarga	
Largo (mm)	Ancho (mm)	Alto (mm)	Largo (mm)	Ancho (mm)	Alto (mm)	Medida (puig.)	Tipo	Medida (mm)	Tipo
656.84	378.97	485.90	381.00	304.80	535.69	1-3/8	Sweat	1-3/8	Sweat

Desplazamiento

N° de Cilindros	Calibre (mm)	Recorrido (mm)	Desplazamiento (cm³/Revolución)	Desplazamiento (m³/hr)	Caballaje (HP)	Plano	Peso (kg)
3	60.33	50.80	435.59	37.89	5.5	497-1400-00	174.63
Tipo de Aceite	Carga Inicial (litro)	Recarga (litro)	Información de Agencia				
			Nro. Archivo UL	Fecha Archivo UL	N° Archivo CSA		
POE	3.7	3.4					

Sonido y Vibración

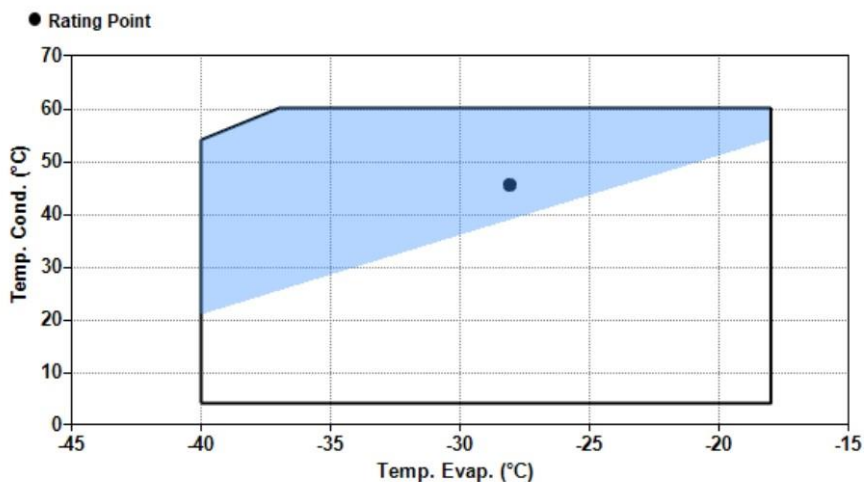
Nivel Promedio de Intensidad de Sonido (dBA)	Nivel Máximo de Intensidad del Sonido (dBA)	Vibración Promedio Pico-Pico (mm)	Vibración Máxima Pico-Pico (mm)	Impulso de Descarga Promedio Pico-Pico (bar.)	Impulso de Descarga Máxima Pico-Pico (bar.)
			0.122	1	1

Emerson Climate Technologies

January 25, 2023

Marco Operativo

Marco Operativo: 3DB3F33KE-TFD (HFO-448A)



Rating Ref. No.: 15-165

Blue Area Restrictions: Low Superheat and/or Demand Cooling. Refer to AE4-1287 for Details

Rating Conditions

18.3 °C Return Gas
0 K Subcooling
35 °C Ambient Air Over

50 Hz Operation

LOW TEMPERATURE

Blue Area Restrictions: Low Superheat and/or Demand Cooling.
Refer to AFA-1287 for Details

3DB3F33KE-TFD

HFO-449A
DISCUS® COMPRESSOR
TFD 380/420-3-50

Condensing Temperature °C
(Sat. Dew Pt. Pressure, bar)

Evaporating Temperature °C (Sat. Dew Pt. Pressure, bar)

		-40.0 (1)	-37.0 (1.2)	-34.0 (1.3)	-32.0 (1.5)	-29.0 (1.7)	-26.0 (1.9)	-23.0 (2.2)	-21.0 (2.4)	-18.0 (2.7)
60.0 (27)	C		2,110	3,150	3,870	5,020	6,280	7,690	8,720	10,450
	P		4,160	4,560	4,850	5,330	5,880	6,490	6,940	7,670
	A		7.7	8.4	9.0	9.8	10.7	11.6	12.3	13.3
	M		16	23	29	38	47	58	66	79
	E		0.5	0.7	0.8	0.9	1.1	1.2	1.3	1.4
%			37.3	47.9	53.3	59.4	63.6	66.6	67.9	69.3
53.0 (22.9)	C	2,090	3,130	4,200	4,940	6,140	7,470	8,940	10,050	11,850
	P	3,710	4,090	4,490	4,790	5,260	5,770	6,340	6,760	7,430
	A	7.7	8.3	8.9	9.4	10.1	10.9	11.8	12.4	13.3
	M	14	21	28	34	42	51	61	69	82
	E	0.6	0.8	0.9	1.0	1.2	1.3	1.4	1.5	1.6
%	37.6	48.1	55.4	58.9	62.8	65.4	67.0	67.7	68.2	
46.0 (19.3)	C	3,140	4,210	5,310	6,090	7,350	8,730	10,300	11,450	13,350
	P	3,630	4,020	4,420	4,710	5,150	5,630	6,150	6,520	7,110
	A	7.8	8.4	8.9	9.4	10.0	10.7	11.5	12.0	12.8
	M	20	26	33	38	46	55	65	72	85
	E	0.9	1.1	1.2	1.3	1.4	1.6	1.7	1.8	1.9
%	50.0	56.9	61.4	63.5	65.7	67.0	67.7	67.8	67.7	
39.0 (16.2)	C	4,180	5,270	6,420	7,240	8,550	10,000	11,650	12,850	14,850
	P	3,540	3,930	4,330	4,590	5,000	5,430	5,890	6,210	6,710
	A	7.7	8.2	8.7	9.1	9.7	10.3	10.9	11.3	12.0
	M	24	31	37	42	50	59	68	76	88
	E	1.2	1.3	1.5	1.6	1.7	1.8	2.0	2.1	2.2
%	59.2	63.1	65.6	66.6	67.5	68.0	68.0	67.8	67.2	
32.0 (13.5)	C	5,120	6,250	7,450	8,300	9,680	11,200	12,900	14,200	16,250
	P	3,450	3,830	4,190	4,440	4,800	5,170	5,550	5,810	6,220
	A	7.4	7.9	8.3	8.6	9.1	9.6	10.2	10.5	11.1
	M	28	34	41	45	53	62	71	78	90
	E	1.5	1.6	1.8	1.9	2.0	2.2	2.3	2.4	2.6
%	64.8	66.7	67.6	68.0	68.2	68.1	67.8	67.4	66.6	
25.0 (11.1)	C	5,890	7,060	8,310	9,200	10,650	12,250	14,050	15,400	17,550
	P	3,320	3,670	4,010	4,220	4,530	4,820	5,110	5,310	5,610
	A	7.1	7.5	7.9	8.2	8.6	9.0	9.4	9.7	10.1
	M	30	36	43	48	55	64	73	80	92
	E	1.8	1.9	2.1	2.2	2.4	2.5	2.8	2.9	3.1
%	67.1	67.6	67.8	67.8	67.6	67.4	67.0	66.6	65.8	
18.0 (9.1)	C	6,410	7,640	8,940	9,880	11,400	13,100	14,950	16,350	18,650
	P	3,140	3,470	3,760	3,930	4,160	4,380	4,570	4,700	4,880
	A	7.0	7.3	7.6	7.8	8.1	8.4	8.8	9.0	9.2
	M	31	37	44	48	56	64	74	81	92
	E	2.0	2.2	2.4	2.5	2.7	3.0	3.3	3.5	3.8
%	66.4	66.3	66.1	66.1	66.0	65.9	65.7	65.5	64.9	
11.0 (7.4)	C	6,610	7,890	9,260	10,250	11,850	13,600	15,600	17,050	19,450
	P	2,910	3,190	3,420	3,550	3,700	3,820	3,910	3,960	4,010
	A	7.1	7.3	7.6	7.7	8.0	8.2	8.3	8.5	8.6
	M	31	37	43	48	55	64	73	80	92
	E	2.3	2.5	2.7	2.9	3.2	3.6	4.0	4.3	4.9
%	63.0	62.9	63.0	63.2	63.5	63.9	64.3	64.4	64.3	
4.0 (5.9)	C	6,420	7,750	9,180	10,200	11,900	13,750	15,850	17,350	19,900
	P	2,600	2,830	2,990	3,070	3,130	3,140	3,110	3,070	2,980
	A	7.6	7.8	8.0	8.0	8.2	8.3	8.3	8.4	8.4
	M	28	34	41	45	53	61	71	78	89
	E	2.5	2.7	3.1	3.3	3.8	4.4	5.1	5.7	6.7
%	57.3	57.9	58.7	59.3	60.6	61.9	63.4	64.2	65.2	

C: Capacidad (W), P: Potencia (W), A: Corriente (amperios), M: flujo de masa (gm/s), E: COP, %: isentrópica Eficiencia (%)

Nominal Performance Values (±5%) based on 72 hours run-in. Subject to change without notice. Current @ 400 V

3DB3F33KE-TFD-200

380/420 Volts, 50 Hz, 3 Phase
R-449A, Dew-Point, Low Temp, Low Condensing
(Discus)

Resumen



Eléctrico

Voltaje Medio	Ato Voltaje	Fase	Frecuencia	RPM		
380	420	3	50	0		
Corriente Continua Máxima - CCM (Amps.)	Corriente Operativa Máxima (Amps.)	Amperes de Carga Asignada - RLA		Amperes de Rotor Trabado - LRA		
		Cant. Corr. Máx. / 1,4 Usar Para Selección de Constatista	Cant. Corr. Máx. / 1,56 Usar para Selección de Medida de Interruptor y Cable	Bajo	Alto	Medio Bobinado
22		15.7	14.1		83.0	

Mecánico

Dimensiones Generales			Dimensiones de Montaje			Conexión de Succión		Conexión de Descarga	
Largo (mm)	Ancho (mm)	Alto (mm)	Largo (mm)	Ancho (mm)	Alto (mm)	Medida (pulg.)	Tipo	Medida (mm)	Tipo
656.84	378.97	485.90	381.00	304.80	535.69	1-3/8	Sweat	1-3/8	Sweat

Desplazamiento

N° de Cilindros	Calibre (mm)	Recorrido (mm)	Desplazamiento (cm³/Revolución)	Desplazamiento (m³/hr)	Caballaje (HP)	Plano	Peso (kg)
3	60.33	50.80	435.59	37.89	5.5	497-1400-00	174.63
Tipo de Aceite	Carga Inicial (litro)	Recarga (litro)	Información de Agencia				
			Nro. Archivo UL	Fecha Archivo UL	N° Archivo CSA		
POE	3.7	3.4					

Sonido y Vibración

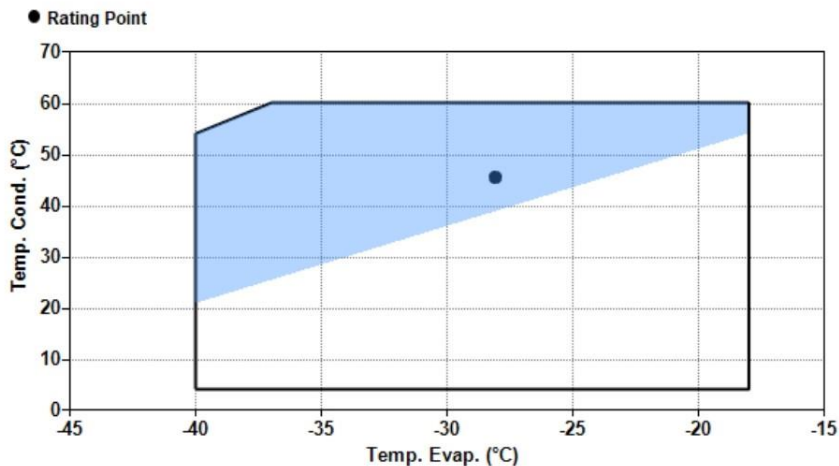
Nivel Promedio de Intensidad de Sonido (dBA)	Nivel Máximo de Intensidad del Sonido (dBA)	Vibración Promedio Pico-Pico (mm)	Vibración Máxima Pico-Pico (mm)	Impulso de Descarga Promedio Pico-Pico (bar.)	Impulso de Descarga Máxima Pico-Pico (bar.)
			0.122	1	1

Emerson Climate Technologies

January 25, 2023

Marco Operativo

Marco Operativo: 3DB3F33KE-TFD (HFO-449A)



Rating Ref. No.: 15-166

Blue Area Restrictions: Low Superheat and/or Demand Cooling. Refer to AE4-1287 for Details

Rating Conditions

18.3 °C Return Gas
0 K Subcooling
35 °C Ambient Air Over

50 Hz Operation

LOW TEMPERATURE

3DB3F33KE-TFD

HFC-507
DISCUS® COMPRESSOR
TFD 380/420-3-50

HFCs Require Polyol Ester
Lubricant See Form 93-11

Condensing Temperature °C (Sat. Dew Pt. Pressure, bar) Evaporating Temperature °C (Sat. Dew Pt. Pressure, bar)

		-40.0 (1.4)	-35.0 (1.7)	-30.0 (2.1)	-25.0 (2.6)	-20.0 (3.1)	-18.0 (3.4)
54.0 (25.8)	C	3,500	4,900	6,600	8,500	10,650	11,550
	P	3,890	4,770	5,700	6,600	7,400	7,700
	A	8.6	9.7	10.9	12.2	13.5	14.0
	M	34	48	64	84	106	115
	E	0.9	1.0	1.2	1.3	1.4	1.5
	%	66.5	69.5	71.3	72.2	72.6	72.6
50.0 (23.6)	C	3,950	5,450	7,300	9,450	11,850	12,850
	P	3,960	4,800	5,700	6,550	7,350	7,650
	A	8.7	9.7	10.9	12.2	13.4	13.9
	M	36	49	66	86	109	119
	E	1.0	1.1	1.3	1.4	1.6	1.7
	%	67.0	69.3	70.9	71.9	72.3	72.4
40.0 (18.7)	C	5,200	6,900	9,100	11,700	14,750	16,100
	P	4,010	4,740	5,500	6,250	7,000	7,250
	A	8.7	9.6	10.7	11.8	12.8	13.3
	M	40	54	71	93	117	128
	E	1.3	1.5	1.7	1.9	2.1	2.2
	%	68.4	69.6	70.8	71.7	72.1	72.2
30.0 (14.6)	C	6,400	8,300	10,800	13,900	17,600	19,200
	P	3,950	4,510	5,150	5,750	6,350	6,550
	A	8.6	9.4	10.2	11.1	11.9	12.2
	M	44	57	75	97	124	136
	E	1.6	1.8	2.1	2.4	2.8	2.9
	%	68.4	69.4	70.7	71.6	71.9	71.8
20.0 (11.2)	C	7,450	9,500	12,300	15,900	20,100	22,000
	P	3,820	4,190	4,620	5,050	5,500	5,650
	A	8.4	8.9	9.5	10.1	10.7	10.9
	M	47	60	78	101	128	141
	E	2.0	2.3	2.7	3.1	3.7	3.9
	%	65.8	67.6	69.6	70.7	70.8	70.6
10.0 (8.5)	C	8,250	10,450	13,550	17,500	22,400	24,500
	P	3,690	3,820	4,020	4,270	4,500	4,580
	A	8.2	8.3	8.6	8.9	9.1	9.2
	M	47	60	78	102	130	143
	E	2.2	2.7	3.4	4.1	5.0	5.4
	%	59.4	63.0	66.3	68.2	68.1	67.6
5.0 (7.3)	C	8,500	10,800	14,000	18,200	23,300	25,600
	P	3,630	3,630	3,710	3,840	3,950	3,990
	A	8.0	8.0	8.1	8.2	8.2	8.2
	M	47	60	78	101	130	144
	E	2.3	3.0	3.8	4.7	5.9	6.4
	%	54.6	59.2	63.4	65.8	65.7	64.9

C: Capacidad (W), P: Potencia (W), A: Corriente (amperios), M: flujo de masa (gm/s), E: COP, %: isentrópica Eficiencia (%)

Nominal Performance Values (±5%) based on 72 hours run-in. Subject to change without notice. Current @ 380 V

3DB3F33KE-TFD-200

380/420 Volts, 50 Hz, 3 Phase
R-507, Mid-Point, Low Temp, Low Condensing (Discus)



Resumen

Eléctrico

Voltaje Medio	Ato Voltaje	Fase	Frecuencia	RPM	
380	420	3	50	0	
Corriente Continua Máxima - CCM (Amps.)	Corriente Operativa Máxima (Amps.)	Amperes de Carga Asignada - RLA		Amperes de Rotor Trabado - LRA	
		Cant. Corr. Máx. / 1,4 Usar Para Selección de Contactista	Cant. Corr. Máx. / 1,56 Usar para Selección de Medida de Interruptor y Cable	Bajo	Altura
22		15.7	14.1		83.0

Mecánico

Dimensiones Generales			Dimensiones de Montaje			Conexión de Succión		Conexión de Descarga	
Largo (mm)	Ancho (mm)	Alto (mm)	Largo (mm)	Ancho (mm)	Alto (mm)	Medida (pulg.)	Tipo	Medida (mm)	Tipo
656.84	378.97	485.90	381.00	304.80	535.69	1-3/8	Sweat	1-3/8	Sweat

Desplazamiento

N° de Cilindros	Calibre (mm)	Recorrido (mm)	Desplazamiento (cm ³ /Revolución)	Desplazamiento (m ³ /hr)	Cabalaje (HP)	Plano	Peso (kg)
3	60.33	50.80	435.59	37.89	5.5	497-1400-00	174.63
Tipo de Aceite	Carga Inicial (litro)	Recarga (litro)	Información de Agencia				
POE	3.7	3.4	Nro. Archivo UL	Fecha Archivo UL	N° Archivo CSA		

Sonido y Vibración

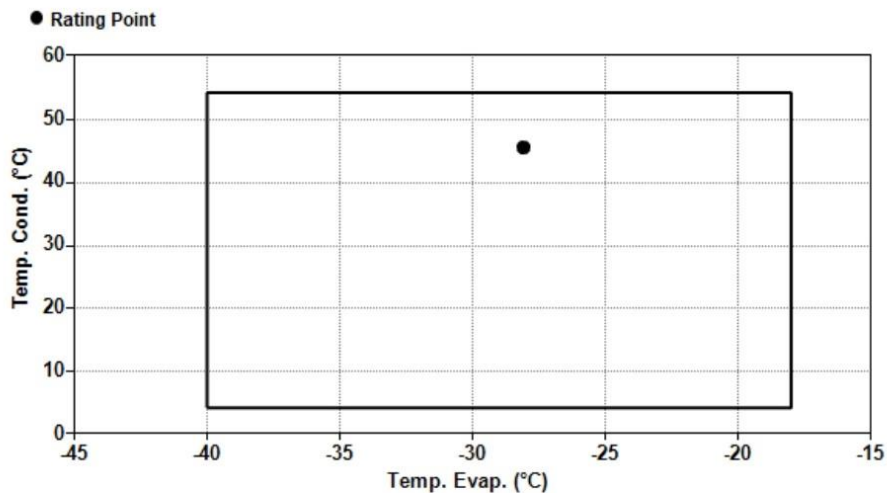
Nivel Promedio de Intensidad de Sonido (dBA)	Nivel Máximo de Intensidad del Sonido (dBA)	Vibración Promedio Pico-Pico (mm)	Vibración Máxima Pico-Pico (mm)	Impulso de Descarga Promedio Pico-Pico (bar.)	Impulso de Descarga Máxima Pico-Pico (bar.)
			0.122	1	1

Emerson Climate Technologies

January 25, 2023

Marco Operativo

Marco Operativo: 3DB3F33KE-TFD (HFC-507)



Rating Ref. No.: 06-171

Rating Conditions

18.3 °C Return Gas
0 K Subcooling
35 °C Ambient Air Over

50 Hz Operation

LOW TEMPERATURE

3DS3F46KE-TFD

HFC-404A
DISCUS® COMPRESSOR
TFD 380/420-3-50

HFCs Require Polyol Ester
Lubricant See Form 93-11

Condensing Temperature °C
(Sat. Dew Pt. Pressure, bar)

Evaporating Temperature °C (Sat. Dew Pt. Pressure, bar)

		-40.0 (1.3)	-35.0 (1.6)	-30.0 (2)	-25.0 (2.5)	-20.0 (3)	-18.0 (3.2)
54.0 (25.1)	C	4,800	6,950	9,300	11,900	14,800	16,100
	P	5,300	6,650	7,900	9,150	10,300	10,800
	A	11.0	12.8	14.6	16.4	18.2	18.9
	M	45	65	87	113	141	154
	E	0.9	1.1	1.2	1.3	1.4	1.5
	%	66.5	70.2	71.4	71.6	71.5	71.4
50.0 (23)	C	5,650	7,800	10,250	13,000	16,100	17,500
	P	5,400	6,650	7,850	9,000	10,100	10,500
	A	11.1	12.8	14.4	16.1	17.8	18.4
	M	49	68	90	115	143	156
	E	1.0	1.2	1.3	1.4	1.6	1.7
	%	69.2	71.1	71.6	71.5	71.2	71.1
40.0 (18.1)	C	7,250	9,550	12,250	15,400	19,100	20,700
	P	5,450	6,450	7,450	8,400	9,300	9,650
	A	11.2	12.5	13.8	15.2	16.6	17.2
	M	55	72	93	118	147	160
	E	1.3	1.5	1.7	1.8	2.1	2.2
	%	69.9	70.4	70.4	70.2	69.8	69.6
30.0 (14.1)	C	8,350	10,900	13,950	17,600	21,900	23,800
	P	5,250	6,050	6,850	7,650	8,400	8,700
	A	10.9	12.0	13.0	14.2	15.3	15.8
	M	56	74	95	120	150	164
	E	1.6	1.8	2.0	2.3	2.6	2.7
	%	67.2	68.0	68.3	68.3	67.7	67.4
20.0 (10.8)	C	9,200	12,050	15,600	19,800	24,900	27,100
	P	4,850	5,500	6,150	6,850	7,500	7,750
	A	10.6	11.4	12.2	13.2	14.1	14.6
	M	56	74	96	122	154	169
	E	1.9	2.2	2.5	2.9	3.3	3.5
	%	64.1	65.5	66.1	65.8	64.5	63.7
10.0 (8.2)	C	10,000	13,300	17,400	22,300	28,100	31,000
	P	4,320	4,850	5,400	6,000	6,550	6,800
	A	10.3	10.9	11.6	12.4	13.2	13.6
	M	56	75	98	126	160	175
	E	2.3	2.7	3.2	3.7	4.3	4.5
	%	61.7	63.2	63.3	61.9	58.9	57.2
5.0 (7)	C	10,450	14,000	18,400	23,700	30,000	33,000
	P	4,030	4,510	5,050	5,600	6,150	6,350
	A	10.2	10.8	11.4	12.1	12.9	13.3
	M	56	75	99	129	164	180
	E	2.6	3.1	3.7	4.2	4.9	5.2
	%	60.8	62.1	61.5	59.0	54.5	52.2

C: Capacidad (W), P: Potencia (W), A: Corriente (amperios), M: flujo de masa (gm/s), E: COP, %: isentrópica Eficiencia (%)

Nominal Performance Values (±5%) based on 72 hours run-in. Subject to change without notice. Current @ 380 V

3DS3F46KE-TFD-200

380/420 Volts, 50 Hz, 3 Phase
R-404A, Mid-Point, Low Temp, Low Condensing
(Discus)

Resumen



Eléctrico

Voltaje Medio	Ato Voltaje	Fase	Frecuencia	RPM		
380	420	3	50	0		
Corriente Continua Máxima - CCM (Amps.)	Corriente Operativa Máxima (Amps.)	Amperes de Carga Asignada - RLA		Amperes de Rotor Trabajado - LRA		
		Cont. Corr. Máx. / 1,4 Usar Para Selección de Contactista	Cont. Corr. Máx. / 1,56 Usar para Selección de Medida de Interruptor y Cable	Bajo	Altura	Medio Bobinado
26		18.6	16.7		106.0	

Mecánico

Dimensiones Generales			Dimensiones de Montaje			Conexión de Succión		Conexión de Descarga	
Largo (mm)	Ancho (mm)	Alto (mm)	Largo (mm)	Ancho (mm)	Alto (mm)	Medida (pulg.)	Tipo	Medida (mm)	Tipo
693.42	378.97	487.17	381.00	304.80	531.62	1-3/8	Sweat	1-3/8	Sweat

Desplazamiento

N° de Cilindros	Calibre (mm)	Recorrido (mm)	Desplazamiento (cm³/Revolución)	Desplazamiento (m³/hr)	Caballaje (HP)	Plano	Peso (kg)
3	61.93	63.50	573.74	49.91	7	497-1398-00	174.63
Tipo de Aceite	Carga Inicial (litro)	Recarga (litro)	Información de Agencia				
			Nro. Archivo UL	Fecha Archivo UL	N° Archivo CSA		
POE	3.7	3.4					

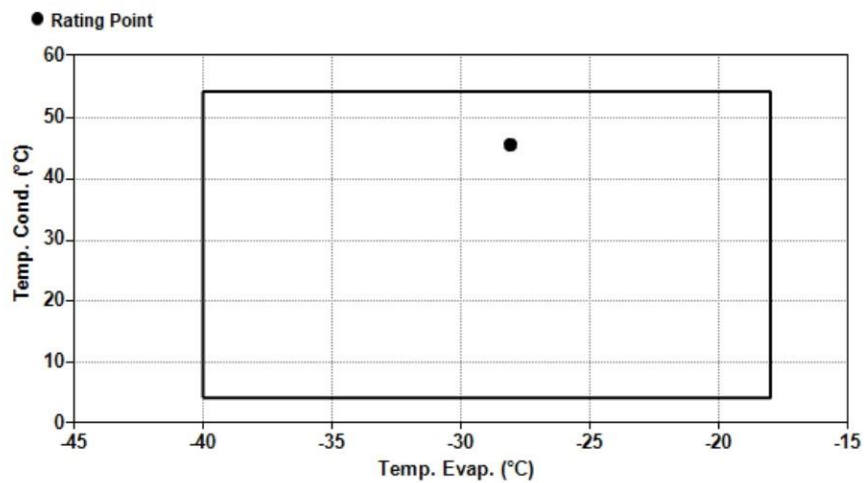
Sonido y Vibración

Nivel Promedio de Intensidad de Sonido (dBA)	Nivel Máximo de Intensidad del Sonido (dBA)	Vibración Promedio Pico-Pico (mm)	Vibración Máxima Pico-Pico (mm)	Impulso de Descarga Promedio Pico-Pico (bar.)	Impulso de Descarga Máxima Pico-Pico (bar.)
			0.122	1	1

Emerson Climate Technologies
Marco Operativo

January 25, 2023

Marco Operativo: 3DS3F46KE-TFD (HFC-404A)



Rating Ref. No.: 06-337

Rating Conditions

18.3 °C Return Gas
0 K Subcooling
35 °C Ambient Air Over

50 Hz Operation

LOW TEMPERATURE

Blue Area Restrictions: Low Superheat and/or Demand Cooling.
Refer to AFA-1287 for Details

3DS3F46KE-TFD

HFO-448A
DISCUS® COMPRESSOR
TFD 380/420-3-50

Condensing Temperature °C
(Sat. Dew Pt. Pressure, bar)

Evaporating Temperature °C (Sat. Dew Pt. Pressure, bar)

		-40.0 (1)	-37.0 (1.2)	-34.0 (1.3)	-32.0 (1.5)	-29.0 (1.7)	-26.0 (1.9)	-23.0 (2.2)	-21.0 (2.4)	-18.0 (2.7)
60.0 (27.2)	C		2,280	3,690	4,670	6,240	7,940	9,840	11,200	13,500
	P		5,070	5,780	6,270	7,010	7,800	8,650	9,250	10,200
	A		10.8	11.9	12.6	13.8	15.0	16.3	17.2	18.7
	M		17	27	34	46	59	73	83	101
	E		0.5	0.6	0.8	0.9	1.0	1.1	1.2	1.3
	%		32.9	44.2	49.8	56.1	60.7	63.9	65.5	67.2
53.0 (23.1)	C	2,440	3,830	5,290	6,310	7,970	9,790	11,850	13,300	15,800
	P	4,510	5,180	5,840	6,280	6,960	7,670	8,430	8,970	9,840
	A	10.7	11.6	12.5	13.1	14.1	15.2	16.3	17.1	18.4
	M	16	26	35	42	53	66	80	90	107
	E	0.5	0.7	0.9	1.0	1.1	1.3	1.4	1.5	1.6
	%	36.1	46.6	53.8	57.4	61.6	64.6	66.7	67.7	68.7
46.0 (19.4)	C	3,920	5,330	6,830	7,900	9,640	11,600	13,750	15,350	18,050
	P	4,610	5,220	5,820	6,220	6,830	7,460	8,130	8,610	9,370
	A	11.0	11.8	12.5	13.1	14.0	14.9	15.8	16.5	17.6
	M	24	33	42	49	60	72	86	96	113
	E	0.9	1.0	1.2	1.3	1.4	1.6	1.7	1.8	1.9
	%	49.2	55.5	60.0	62.4	65.1	67.1	68.5	69.1	69.5
39.0 (16.3)	C	5,310	6,730	8,270	9,380	11,200	13,250	15,600	17,300	20,200
	P	4,630	5,200	5,730	6,090	6,620	7,160	7,740	8,140	8,800
	A	10.9	11.6	12.2	12.7	13.4	14.2	15.0	15.6	16.5
	M	30	39	48	54	65	77	90	101	118
	E	1.2	1.3	1.4	1.5	1.7	1.9	2.0	2.1	2.3
	%	57.7	61.2	63.9	65.3	67.2	68.5	69.5	69.8	69.8
32.0 (13.6)	C	6,560	8,000	9,580	10,750	12,650	14,850	17,300	19,150	22,200
	P	4,590	5,090	5,560	5,870	6,320	6,770	7,250	7,580	8,130
	A	10.6	11.2	11.7	12.1	12.7	13.3	14.0	14.4	15.2
	M	35	43	52	58	68	80	94	104	121
	E	1.4	1.6	1.7	1.8	2.0	2.2	2.4	2.5	2.7
	%	62.6	64.3	65.8	66.7	68.0	69.0	69.6	69.8	69.6
25.0 (11.2)	C	7,660	9,110	10,750	11,950	13,950	16,200	18,850	20,800	24,000
	P	4,470	4,910	5,310	5,560	5,920	6,280	6,660	6,920	7,350
	A	10.3	10.7	11.1	11.4	11.9	12.4	12.9	13.3	13.9
	M	39	46	55	61	71	83	97	107	124
	E	1.7	1.9	2.0	2.1	2.4	2.6	2.8	3.0	3.3
	%	64.9	65.4	66.2	66.9	67.8	68.6	69.1	69.2	68.8
18.0 (9.1)	C	8,550	10,000	11,700	12,900	15,000	17,400	20,200	22,200	25,600
	P	4,280	4,650	4,980	5,170	5,440	5,700	5,960	6,150	6,450
	A	10.0	10.3	10.6	10.9	11.2	11.6	12.0	12.3	12.7
	M	41	48	56	62	73	84	98	108	125
	E	2.0	2.2	2.4	2.5	2.8	3.1	3.4	3.6	4.0
	%	65.2	65.0	65.4	65.9	66.8	67.6	68.1	68.1	67.6
11.0 (7.4)	C	9,210	10,700	12,400	13,650	15,850	18,350	21,300	23,400	27,000
	P	4,010	4,310	4,550	4,680	4,860	5,010	5,170	5,270	5,450
	A	9.9	10.2	10.4	10.5	10.8	11.0	11.3	11.5	11.8
	M	42	49	57	63	73	85	98	109	126
	E	2.3	2.5	2.7	2.9	3.3	3.7	4.1	4.4	5.0
	%	63.9	63.4	63.7	64.2	65.1	66.0	66.6	66.6	65.9
4.0 (5.9)	C	9,600	11,100	12,850	14,150	16,400	19,050	22,100	24,300	28,100
	P	3,650	3,870	4,030	4,100	4,180	4,220	4,260	4,280	4,320
	A	10.2	10.4	10.5	10.6	10.8	10.9	11.1	11.2	11.4
	M	42	49	56	62	72	84	98	108	125
	E	2.6	2.9	3.2	3.5	3.9	4.5	5.2	5.7	6.5
	%	61.3	60.7	61.1	61.7	62.9	64.1	64.8	64.8	63.8

C: Capacidad (W), P: Potencia (W), A: Corriente (amperios), M: flujo de masa (gm/s), E: COP, %: isentrópica Eficiencia (%)

Nominal Performance Values (±5%) based on 72 hours run-in. Subject to change without notice. Current @ 400 V

3DS3F46KE-TFD-200

380/420 Volts, 50 Hz, 3 Phase
R-448A, Dew-Point, Low Temp, Low Condensing
(Discus)

Resumen



Eléctrico

Voltaje Medio	Ato Voltaje	Fase	Frecuencia	RPM		
380	420	3	50	0		
Corriente Continua Máxima - CCM (Amps.)	Corriente Operativa Máxima (Amps.)	Amperes de Carga Asignada - RLA		Amperes de Rotor Trabado - LRA		
		Cant. Corr. Máx. / 1.4 Usar Para Selección de Contactista	Cant. Corr. Máx. / 1.56 Usar para Selección de Medida de Interruptor y Cable	Bajo	Altura	Medio Bobinado
26		18.6	16.7		106.0	

Mecánico

Dimensiones Generales			Dimensiones de Montaje			Conexión de Succión		Conexión de Descarga	
Largo (mm)	Ancho (mm)	Alto (mm)	Largo (mm)	Ancho (mm)	Alto (mm)	Medida (pulg.)	Tipo	Medida (mm)	Tipo
693.42	378.97	487.17	381.00	304.80	531.62	1-3/8	Sweat	1-3/8	Sweat

Desplazamiento

N° de Cilindros	Calibre (mm)	Recorrido (mm)	Desplazamiento (cm³/Revolución)	Desplazamiento (m³/hr)	Caballaje (HP)	Plano	Peso (kg)
3	61.93	63.50	573.74	49.91	7	497-1398-00	174.63
Tipo de Aceite	Carga Inicial (litro)	Recarga (litro)	Información de Agencia				
			Nro. Archivo UL	Fecha Archivo UL	N° Archivo CSA		
POE	3.7	3.4					

Sonido y Vibración

Nivel Promedio de Intensidad de Sonido (dBA)	Nivel Máximo de Intensidad del Sonido (dBA)	Vibración Promedio Pico-Pico (mm)	Vibración Máxima Pico-Pico (mm)	Impulso de Descarga Promedio Pico-Pico (bar.)	Impulso de Descarga Máxima Pico-Pico (bar.)
			0.122	1	1



Rating Conditions

18.3 °C Return Gas
0 K Subcooling
35 °C Ambient Air Over

50 Hz Operation

LOW TEMPERATURE

Blue Area Restrictions: Low Superheat and/or Demand Cooling. Refer to AFA-1287 for Details

3DS3F46KE-TFD

HFO-449A
DISCUS® COMPRESSOR
TFD 380/420-3-50

Condensing Temperature °C (Sat. Dew Pt. Pressure, bar) Evaporating Temperature °C (Sat. Dew Pt. Pressure, bar)

		-40.0(1)	-37.0(1.2)	-34.0(1.3)	-32.0(1.5)	-29.0(1.7)	-26.0(1.9)	-23.0(2.2)	-21.0(2.4)	-18.0(2.7)
60.0 (27)	C		2,280	3,690	4,670	6,240	7,940	9,840	11,200	13,500
	P		5,070	5,780	6,270	7,010	7,800	8,650	9,250	10,200
	A		10.8	11.9	12.6	13.8	15.0	16.3	17.2	18.7
	M		17	28	35	47	60	74	85	103
	E		0.5	0.6	0.8	0.9	1.0	1.1	1.2	1.3
%		32.9	44.3	49.8	56.1	60.7	64.0	65.6	67.2	
53.0 (22.9)	C	2,440	3,830	5,290	6,310	7,970	9,790	11,850	13,300	15,800
	P	4,510	5,180	5,840	6,280	6,960	7,670	8,430	8,970	9,840
	A	10.7	11.6	12.5	13.1	14.1	15.2	16.3	17.1	18.4
	M	17	26	36	43	54	67	81	92	109
	E	0.5	0.7	0.9	1.0	1.1	1.3	1.4	1.5	1.6
%	36.0	46.5	53.7	57.4	61.5	64.6	66.7	67.7	68.6	
46.0 (19.3)	C	3,920	5,330	6,830	7,900	9,640	11,600	13,750	15,350	18,050
	P	4,610	5,220	5,820	6,220	6,830	7,460	8,130	8,610	9,370
	A	11.0	11.8	12.5	13.1	14.0	14.9	15.8	16.5	17.6
	M	24	33	43	50	61	73	87	97	115
	E	0.9	1.0	1.2	1.3	1.4	1.6	1.7	1.8	1.9
%	49.1	55.4	59.9	62.3	65.0	67.0	68.4	69.0	69.5	
39.0 (16.2)	C	5,310	6,730	8,270	9,380	11,200	13,250	15,600	17,300	20,200
	P	4,630	5,200	5,730	6,090	6,620	7,160	7,740	8,140	8,800
	A	10.9	11.6	12.2	12.7	13.4	14.2	15.0	15.6	16.5
	M	31	39	48	55	66	78	92	102	119
	E	1.2	1.3	1.4	1.5	1.7	1.9	2.0	2.1	2.3
%	57.5	61.0	63.7	65.2	67.0	68.4	69.3	69.7	69.7	
32.0 (13.5)	C	6,560	8,000	9,580	10,750	12,650	14,850	17,300	19,150	22,200
	P	4,590	5,090	5,560	5,870	6,320	6,770	7,250	7,580	8,130
	A	10.6	11.2	11.7	12.1	12.7	13.3	14.0	14.4	15.2
	M	36	44	52	59	69	82	95	106	123
	E	1.4	1.6	1.7	1.8	2.0	2.2	2.4	2.5	2.7
%	62.4	64.1	65.6	66.5	67.8	68.8	69.4	69.6	69.4	
25.0 (11.1)	C	7,660	9,110	10,750	11,950	13,950	16,200	18,850	20,800	24,000
	P	4,470	4,910	5,310	5,560	5,920	6,280	6,660	6,920	7,350
	A	10.3	10.7	11.1	11.4	11.9	12.4	12.9	13.3	13.9
	M	39	47	55	62	72	84	98	108	125
	E	1.7	1.9	2.0	2.1	2.4	2.6	2.8	3.0	3.3
%	64.7	65.2	66.0	66.6	67.6	68.4	68.9	69.0	68.6	
18.0 (9.1)	C	8,550	10,000	11,700	12,900	15,000	17,400	20,200	22,200	25,600
	P	4,280	4,650	4,980	5,170	5,440	5,700	5,960	6,150	6,450
	A	10.0	10.3	10.6	10.9	11.2	11.6	12.0	12.3	12.7
	M	42	49	57	63	74	86	99	110	127
	E	2.0	2.2	2.4	2.5	2.8	3.1	3.4	3.6	4.0
%	65.0	64.8	65.2	65.7	66.6	67.4	67.9	67.9	67.4	
11.0 (7.4)	C	9,210	10,700	12,400	13,650	15,850	18,350	21,300	23,400	27,000
	P	4,010	4,310	4,550	4,680	4,860	5,010	5,170	5,270	5,450
	A	9.9	10.2	10.4	10.5	10.8	11.0	11.3	11.5	11.8
	M	43	50	58	64	74	86	100	110	127
	E	2.3	2.5	2.7	2.9	3.3	3.7	4.1	4.4	5.0
%	63.7	63.1	63.4	63.9	64.9	65.8	66.4	66.4	65.7	
4.0 (5.9)	C	9,600	11,100	12,850	14,150	16,400	19,050	22,100	24,300	28,100
	P	3,650	3,870	4,030	4,100	4,180	4,220	4,260	4,280	4,320
	A	10.2	10.4	10.5	10.6	10.8	10.9	11.1	11.2	11.4
	M	43	49	57	63	73	85	99	109	126
	E	2.6	2.9	3.2	3.5	3.9	4.5	5.2	5.7	6.5
%	61.1	60.4	60.9	61.5	62.7	63.9	64.6	64.6	63.5	

C: Capacidad (W), P: Potencia (W), A: Corriente (amperios), M: flujo de masa (gm/s), E: COP, %: isentrópica Eficiencia (%)

Nominal Performance Values (±5%) based on 72 hours run-in. Subject to change without notice. Current @ 400 V

3DS3F46KE-TFD-200

380/420 Volts, 50 Hz, 3 Phase
R-449A, Dew-Point, Low Temp, Low Condensing
(Discus)

Resumen



Eléctrico

Voltaje Medio	Ato Voltaje	Fase	Frecuencia	RPM		
380	420	3	50	0		
Corriente Continua Máxima - CCM (Amps.)	Corriente Operativa Máxima (Amps.)	Amperes de Carga Asignada - RLA		Amperes de Rotor Trabado - LRA		
		Cant. Corr. Máx. / 1/4 Usar Para Selección de Contatista	Cant. Corr. Máx. / 1,56 Usar para Selección de Medida de Interruptor y Cable	Bajo	Altura	Medio Bobinado
26		18.6	16.7		106.0	

Mecánico

Dimensiones Generales			Dimensiones de Montaje			Conexión de Succión		Conexión de Descarga	
Largo (mm)	Ancho (mm)	Alto (mm)	Largo (mm)	Ancho (mm)	Alto (mm)	Medida (pulg.)	Tipo	Medida (mm)	Tipo
693.42	378.97	487.17	381.00	304.80	531.62	1-3/8	Sweat	1-3/8	Sweat

Desplazamiento

N° de Cilindros	Calibre (mm)	Recorrido (mm)	Desplazamiento (cm³/Revolución)	Desplazamiento (m³/hr)	Caballaje (HP)	Plano	Peso (kg)
3	61.93	63.50	573.74	49.91	7	497-1398-00	174.63
Tipo de Aceite	Carga Inicial (litro)	Recarga (litro)	Información de Agencia				
			Nro. Archivo UL	Fecha Archivo UL	N° Archivo CSA		
POE	3.7	3.4					

Sonido y Vibración

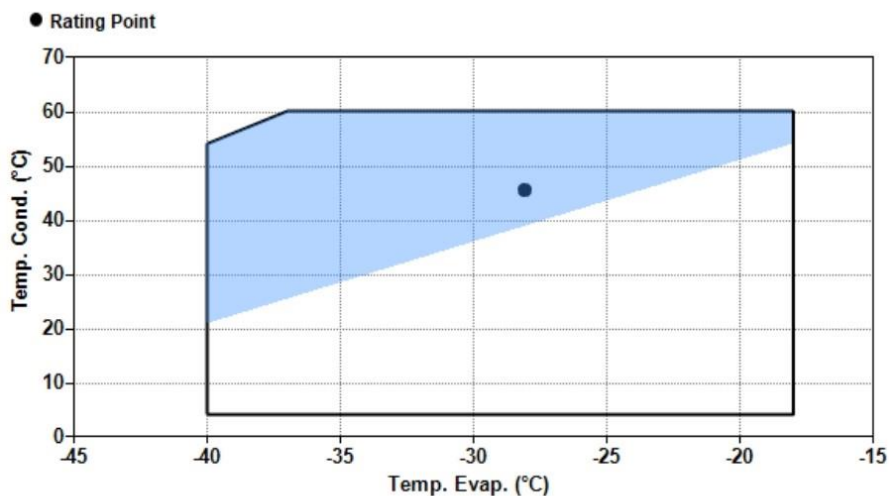
Nivel Promedio de Intensidad de Sonido (dBA)	Nivel Máximo de Intensidad del Sonido (dBA)	Vibración Promedio Pico-Pico (mm)	Vibración Máxima Pico-Pico (mm)	Impulso de Descarga Promedio Pico-Pico (bar.)	Impulso de Descarga Máxima Pico-Pico (bar.)
			0.122	1	1

Emerson Climate Technologies

January 25, 2023

Marco Operativo

Marco Operativo: 3DS3F46KE-TFD (HFO-449A)



Rating Ref. No.: 15-182

Blue Area Restrictions: Low Superheat and/or Demand Cooling. Refer to AE4-1287 for Details

Rating Conditions

18.3 °C Return Gas
0 K Subcooling
35 °C Ambient Air Over

50 Hz Operation

LOW TEMPERATURE

3DS3F46KE-TFD

HFC-507
DISCUS® COMPRESSOR
TFD 380/420-3-50

HFCs Require Polyol Ester
Lubricant See Form 93-11

Condensing Temperature °C
(Sat. Dew Pt. Pressure, bar)

Evaporating Temperature °C (Sat. Dew Pt. Pressure, bar)

		-40.0 (1.4)	-35.0 (1.7)	-30.0 (2.1)	-25.0 (2.6)	-20.0 (3.1)	-18.0 (3.4)
54.0 (25.8)	C	4,950	7,150	9,550	12,250	15,300	16,600
	P	5,400	6,750	8,100	9,350	10,500	11,000
	A	11.2	13.0	14.9	16.7	18.5	19.2
	M	48	69	93	121	152	165
	E	0.9	1.1	1.2	1.3	1.5	1.5
%	67.9	71.6	72.9	73.2	73.1	73.0	
50.0 (23.6)	C	5,800	8,050	10,550	13,350	16,600	18,000
	P	5,500	6,750	8,000	9,150	10,300	10,700
	A	11.3	13.0	14.7	16.4	18.1	18.8
	M	52	73	96	122	153	167
	E	1.1	1.2	1.3	1.5	1.6	1.7
%	70.4	72.4	72.9	72.8	72.5	72.4	
40.0 (18.7)	C	7,450	9,850	12,650	15,900	19,600	21,300
	P	5,600	6,600	7,600	8,550	9,500	9,850
	A	11.4	12.7	14.1	15.5	16.9	17.5
	M	58	77	99	125	156	170
	E	1.3	1.5	1.7	1.9	2.1	2.2
%	70.8	71.3	71.3	71.2	70.8	70.6	
30.0 (14.6)	C	8,600	11,250	14,400	18,100	22,600	24,600
	P	5,350	6,200	7,000	7,800	8,600	8,850
	A	11.1	12.2	13.3	14.5	15.6	16.1
	M	59	78	100	127	159	174
	E	1.6	1.8	2.1	2.3	2.6	2.8
%	67.9	68.7	69.0	69.0	68.5	68.1	
20.0 (11.2)	C	9,450	12,450	16,100	20,400	25,600	27,900
	P	4,950	5,600	6,300	6,950	7,650	7,900
	A	10.8	11.6	12.5	13.4	14.4	14.8
	M	59	78	101	129	163	178
	E	1.9	2.2	2.6	2.9	3.4	3.5
%	64.6	66.0	66.6	66.3	65.1	64.3	
10.0 (8.5)	C	10,300	13,700	17,900	23,000	29,000	31,500
	P	4,410	4,950	5,500	6,100	6,700	6,950
	A	10.5	11.1	11.8	12.6	13.5	13.9
	M	59	79	103	133	169	185
	E	2.3	2.8	3.2	3.8	4.3	4.6
%	62.1	63.6	63.8	62.4	59.3	57.7	
5.0 (7.3)	C	10,750	14,400	18,900	24,400	31,000	34,000
	P	4,110	4,600	5,150	5,700	6,250	6,500
	A	10.4	11.0	11.6	12.4	13.2	13.6
	M	59	80	105	136	173	189
	E	2.6	3.1	3.7	4.3	4.9	5.2
%	61.1	62.4	61.9	59.4	54.9	52.6	

C: Capacidad (W), P: Potencia (W), A: Corriente (amperios), M: flujo de masa (gm/s), E: COP, %: isentrópica Eficiencia (%)

Nominal Performance Values (±5%) based on 72 hours run-in. Subject to change without notice. Current @ 380 V

3DS3F46KE-TFD-200

380/420 Volts, 50 Hz, 3 Phase
R-507, Dew-Point, Low Temp, Low Condensing (Discus)

Resumen



Eléctrico

Voltaje Medio	Ato Voltaje	Fase	Frecuencia	RPM		
380	420	3	50	0		
Corriente Continua Máxima - CCM (Amps.)	Corriente Operativa Máxima (Amps.)	Amperes de Carga Asignada - RLA		Amperes de Rotor Trabado - LRA		
		Cont. Corr. Máx. / 1.4 Usar Para Selección de Contactista	Cont. Corr. Máx. / 1.56 Usar para Selección de Medida de Interruptor y Cable	Bajo	Alto	Medio Bobinado
26		18.6	16.7		106.0	

Mecánico

Dimensiones Generales			Dimensiones de Montaje			Conexión de Succión		Conexión de Descarga	
Largo (mm)	Ancho (mm)	Alto (mm)	Largo (mm)	Ancho (mm)	Alto (mm)	Medida (pulg.)	Tipo	Medida (mm)	Tipo
693.42	378.97	487.17	381.00	304.80	531.62	1-3/8	Sweat	1-3/8	Sweat

Desplazamiento

N° de Cilindros	Calibre (mm)	Recorrido (mm)	Desplazamiento (cm³/Revolución)	Desplazamiento (m³/hr)	Caballaje (HP)	Plano	Peso (kg)
3	61.93	63.50	573.74	49.91	7	497-1398-00	174.63
Tipo de Aceite	Carga Inicial (litro)	Recarga (litro)	Información de Agencia				
POE	3.7	3.4	Nro. Archivo UL	Fecha Archivo UL	N° Archivo CSA		

Sonido y Vibración

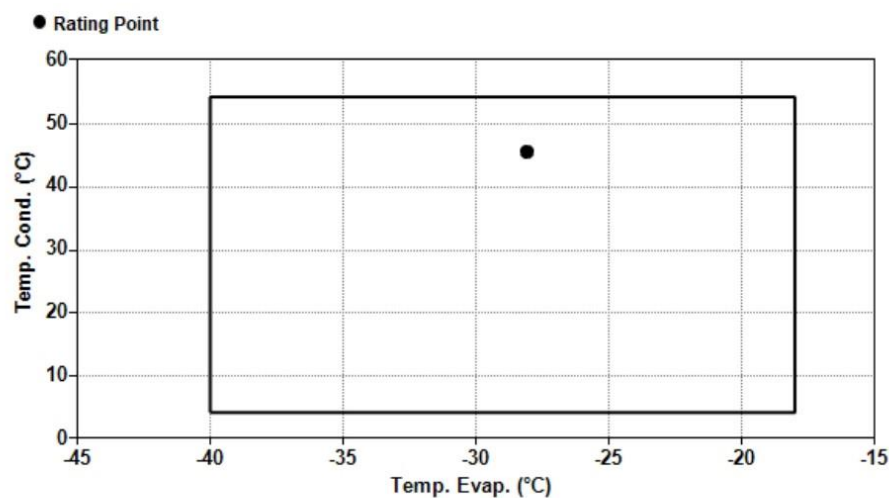
Nivel Promedio de Intensidad de Sonido (dBA)	Nivel Máximo de Intensidad del Sonido (dBA)	Vibración Promedio Pico-Pico (mm)	Vibración Máxima Pico-Pico (mm)	Impulso de Descarga Promedio Pico-Pico (bar.)	Impulso de Descarga Máxima Pico-Pico (bar.)
			0.122	1	1

Emerson Climate Technologies

January 25, 2023

Marco Operativo

Marco Operativo: 3DS3F46KE-TFD (HFC-507)



Rating Conditions

18.3 °C Return Gas
0 K Subcooling
35 °C Ambient Air Over

50 Hz Operation

LOW TEMPERATURE

4DHNF63KE-FSD

HFC-404A
DISCUS® COMPRESSOR
FSD 380/420-3-50

HFCs Require Polyol Ester
Lubricant See Form 93-11

Condensing Temperature °C
(Sat. Dew Pt. Pressure, bar)

Evaporating Temperature °C (Sat. Dew Pt. Pressure, bar)

		-40.0 (1.3)	-35.0 (1.6)	-30.0 (2)	-25.0 (2.5)	-20.0 (3)	-18.0 (3.2)
54.0 (25.1)	C	6,550	9,500	12,550	16,000	19,900	21,700
	P	7,200	9,200	11,000	12,600	14,200	14,800
	A	16.5	18.9	21.3	23.6	26.0	27.0
	M	61	89	118	151	190	208
	E	0.9	1.0	1.1	1.3	1.4	1.5
%	66.6	69.2	69.7	69.9	70.1	70.2	
50.0 (23)	C	7,200	10,350	13,600	17,200	21,500	23,400
	P	7,400	9,200	10,800	12,300	13,700	14,200
	A	16.8	19.0	21.1	23.2	25.3	26.2
	M	63	90	119	152	192	209
	E	1.0	1.1	1.3	1.4	1.6	1.6
%	64.8	67.8	69.0	69.5	70.0	70.1	
40.0 (18.1)	C	9,400	12,900	16,700	21,000	26,000	28,300
	P	7,650	9,000	10,300	11,400	12,500	13,000
	A	17.0	18.7	20.3	21.9	23.5	24.1
	M	71	98	127	161	201	219
	E	1.2	1.4	1.6	1.8	2.1	2.2
%	65.1	68.2	69.7	70.5	70.8	70.8	
30.0 (14.1)	C	12,100	16,000	20,400	25,300	31,000	33,500
	P	7,450	8,600	9,600	10,500	11,400	11,800
	A	16.6	18.0	19.3	20.6	21.9	22.4
	M	81	108	138	173	213	232
	E	1.6	1.9	2.1	2.4	2.7	2.9
%	68.5	70.6	71.4	71.5	70.7	70.1	
20.0 (10.8)	C	15,000	19,500	24,400	30,000	36,500	39,500
	P	7,000	8,000	8,850	9,700	10,600	11,000
	A	16.3	17.5	18.7	19.8	20.9	21.4
	M	92	119	150	185	227	246
	E	2.2	2.4	2.8	3.1	3.5	3.6
%	72.7	72.7	71.7	69.9	67.0	65.5	
10.0 (8.2)	C	18,100	23,000	28,500	35,000	42,500	45,500
	P	6,350	7,350	8,250	9,100	10,100	10,500
	A	16.3	17.7	18.9	20.0	21.2	21.6
	M	101	129	161	197	241	260
	E	2.8	3.1	3.5	3.8	4.2	4.4
%	75.7	72.4	68.4	63.7	57.8	55.1	
5.0 (7)	C	19,600	24,800	30,500	37,500	45,000	48,500
	P	6,000	7,000	7,950	8,900	9,950	10,400
	A	16.7	18.1	19.4	20.7	21.9	22.3
	M	105	134	166	203	247	267
	E	3.3	3.5	3.8	4.2	4.5	4.7
%	76.3	70.7	64.8	58.3	50.8	47.5	

C: Capacidad (W), P: Potencia (W), A: Corriente (amperios), M: flujo de masa (gm/s), E: COP, %: isentrópica Eficiencia (%)

Nominal Performance Values (±5%) based on 72 hours run-in. Subject to change without notice. Current @ 400 V

Rating Conditions

18.3 °C Return Gas
0 K Subcooling
35 °C Ambient Air Over

50 Hz Operation

LOW TEMPERATURE

Blue Area Restrictions: Low Superheat and/or Demand Cooling.
Refer to AFA-1287 for Details

4DHNF63KE-FSD

HFO-448A
DISCUS® COMPRESSOR
FSD 380/420-3-50

Condensing Temperature °C (Sat. Dew Pt. Pressure, bar) Evaporating Temperature °C (Sat. Dew Pt. Pressure, bar)

		-40.0 (1)	-37.0 (1.2)	-34.0 (1.3)	-32.0 (1.5)	-29.0 (1.7)	-26.0 (1.9)	-23.0 (2.2)	-21.0 (2.4)	-18.0 (2.7)
60.0 (27.2)	C		4,020	6,140	7,540	9,640	11,750	14,000	15,550	18,000
	P		6,520	8,170	9,140	10,450	11,600	12,650	13,350	14,350
	A		14.9	17.1	18.4	20.1	21.7	23.0	23.9	25.2
	M		29	45	55	71	87	104	116	135
	E		0.6	0.8	0.8	0.9	1.0	1.1	1.2	1.3
	%		45.1	52.2	55.1	58.3	60.5	62.1	62.9	63.7
53.0 (23.1)	C	3,690	5,870	8,010	9,450	11,650	13,950	16,350	18,100	20,800
	P	5,320	6,970	8,380	9,200	10,300	11,250	12,150	12,700	13,550
	A	13.6	15.8	17.7	18.8	20.2	21.5	22.7	23.5	24.6
	M	25	39	54	63	78	94	111	122	141
	E	0.7	0.8	1.0	1.0	1.1	1.2	1.2	1.4	1.5
	%	46.3	53.0	56.8	58.7	60.9	62.7	64.1	64.9	65.6
46.0 (19.4)	C	5,590	7,740	9,910	11,400	13,700	16,150	18,800	20,700	23,700
	P	5,750	7,170	8,350	9,040	9,940	10,750	11,450	11,950	12,650
	A	14.1	16.0	17.6	18.5	19.7	20.8	21.8	22.4	23.4
	M	34	48	61	70	85	100	117	129	148
	E	1.0	1.1	1.2	1.3	1.4	1.5	1.6	1.7	1.9
	%	56.3	58.8	60.8	62.0	63.6	65.1	66.4	67.0	67.6
39.0 (16.3)	C	7,390	9,530	11,750	13,250	15,700	18,300	21,200	23,200	26,500
	P	5,950	7,170	8,160	8,730	9,470	10,100	10,700	11,100	11,700
	A	14.2	15.8	17.0	17.8	18.8	19.6	20.5	21.0	21.9
	M	42	55	67	76	91	106	123	135	155
	E	1.2	1.3	1.4	1.5	1.7	1.8	2.0	2.1	2.3
	%	62.5	62.8	63.6	64.4	65.7	67.0	68.1	68.6	69.0
32.0 (13.6)	C	9,000	11,100	13,350	14,950	17,500	20,300	23,400	25,600	29,200
	P	6,000	7,030	7,860	8,320	8,910	9,430	9,920	10,250	10,800
	A	14.0	15.3	16.3	16.9	17.6	18.3	19.0	19.5	20.3
	M	48	60	72	81	95	110	127	139	160
	E	1.5	1.6	1.7	1.8	2.0	2.2	2.4	2.5	2.7
	%	65.7	64.8	65.0	65.6	66.6	67.8	68.7	69.1	69.1
25.0 (11.2)	C	10,300	12,400	14,700	16,350	19,050	22,000	25,300	27,700	31,600
	P	5,940	6,810	7,490	7,870	8,350	8,760	9,160	9,440	9,910
	A	13.7	14.7	15.5	15.9	16.5	17.1	17.6	18.1	18.8
	M	52	63	75	83	97	113	130	142	163
	E	1.7	1.8	2.0	2.1	2.3	2.5	2.8	2.9	3.2
	%	65.8	64.4	64.4	64.8	65.8	66.8	67.5	67.7	67.2
18.0 (9.1)	C	11,200	13,300	15,650	17,400	20,200	23,300	26,900	29,500	33,700
	P	5,830	6,570	7,130	7,430	7,820	8,160	8,490	8,740	9,170
	A	13.6	14.3	14.9	15.2	15.6	16.0	16.5	16.9	17.6
	M	54	64	76	84	98	113	131	143	165
	E	1.9	2.0	2.2	2.3	2.6	2.9	3.2	3.4	3.7
	%	62.7	61.3	61.3	61.7	62.5	63.3	63.7	63.6	62.5
11.0 (7.4)	C	11,550	13,700	16,100	17,900	20,800	24,200	28,000	30,700	35,300
	P	5,740	6,360	6,830	7,080	7,390	7,670	7,970	8,200	8,620
	A	13.9	14.4	14.7	14.9	15.1	15.4	15.8	16.2	16.8
	M	53	63	74	82	96	112	129	142	164
	E	2.0	2.2	2.4	2.5	2.8	3.2	3.5	3.8	4.1
	%	56.1	55.1	55.2	55.6	56.3	56.8	56.8	56.2	54.4
4.0 (5.9)	C	11,300	13,450	15,950	17,800	20,900	24,400	28,500	31,400	36,300
	P	5,710	6,240	6,640	6,850	7,120	7,370	7,650	7,880	8,310
	A	14.7	14.9	15.1	15.2	15.3	15.5	15.8	16.2	16.8
	M	50	59	70	78	92	108	126	139	161
	E	2.0	2.2	2.4	2.6	2.9	3.3	3.7	4.0	4.4
	%	46.3	45.8	46.1	46.5	47.0	47.1	46.5	45.4	42.8

C: Capacidad (W), P: Potencia (W), A: Corriente (amperios), M: flujo de masa (gm/s), E: COP, %: isentrópica Eficiencia (%)

Nominal Performance Values (±5%) based on 72 hours run-in. Subject to change without notice. Current @ 400 V

4DHNF63KE-FSD-XXX

380/420 Volts, 50 Hz, 3 Phase
R-448A, Dew-Point, Low Temp, Low Condensing
(Discus)

Resumen



Eléctrico

Voltaje Medio	Ato Voltaje	Fase	Frecuencia	RPM		
380	420	3	50	0		
Corriente Continua Máxima - CCM (Amps.)	Corriente Operativa Máxima (Amps.)	Amperes de Carga Asignada - RLA		Amperes de Rotor Trabado - LRA		
		Cant. Corr. Máx. / 1/4 Usar Para Selección de Contactista	Cant. Corr. Máx. / 1/56 Usar para Selección de Medida de Interruptor y Cable	Bajo	Altura	Medio Bobinado
34.3		24.5	22.0		136.0	81.6

Mecánico

Dimensiones Generales			Dimensiones de Montaje			Conexión de Succión		Conexión de Descarga	
Largo (mm)	Ancho (mm)	Alto (mm)	Largo (mm)	Ancho (mm)	Alto (mm)	Medida (pulg.)	Tipo	Medida (mm)	Tipo
703.07	520.45	567.94	381.00	304.80	600.96	1.625	SW	1.625	SW

Desplazamiento

Nº de Cilindros	Calibre (mm)	Recorrido (mm)	Desplazamiento (cm³/Revolución)	Desplazamiento (m³/hr)	Caballaje (HP)	Plano	Peso (kg)
4	68.28	56.01	820.21	71.35	10	497-0959-00	224.53
Tipo de Aceite	Carga Inicial (litro)	Recarga (litro)	Información de Agencia				
			Nro. Archivo UL	Fecha Archivo UL	Nº Archivo CSA		
POE	3.4	3.11					

Sonido y Vibración

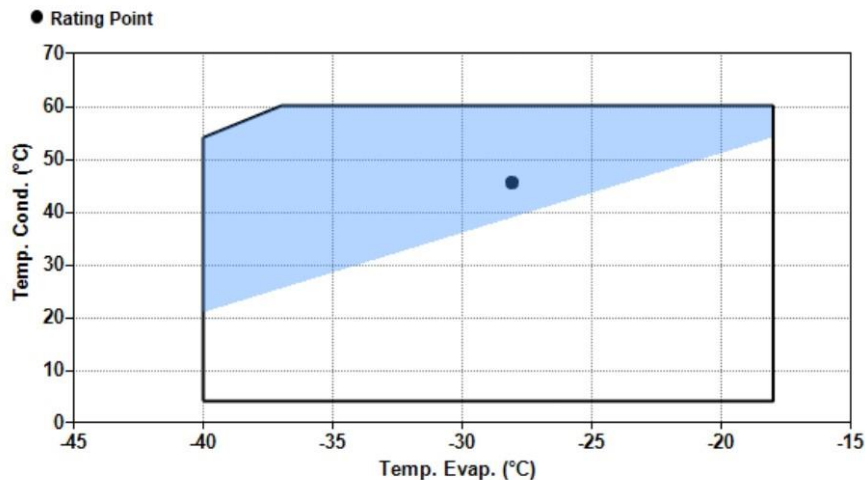
Nivel Promedio de Intensidad de Sonido (dBA)	Nivel Máximo de Intensidad del Sonido (dBA)	Vibración Promedio Pico-Pico (mm)	Vibración Máxima Pico-Pico (mm)	Impulso de Descarga Promedio Pico-Pico (bar.)	Impulso de Descarga Máxima Pico-Pico (bar.)
			0.093	1	1

Emerson Climate Technologies

January 25, 2023

Marco Operativo

Marco Operativo: 4DHNF63KE-FSD (HFO-448A)



Rating Ref. No.: 15-307

Blue Area Restrictions: Low Superheat and/or Demand Cooling. Refer to AE4-1287 for Details

Rating Conditions

18.3 °C Return Gas
0 K Subcooling
35 °C Ambient Air Over

50 Hz Operation

LOW TEMPERATURE

Blue Area Restrictions: Low Superheat and/or Demand Cooling.
Refer to ΔFA-1287 for Details

4DHNF63KE-FSD

HFO-449A

DISCUS® COMPRESSOR

FSD 380/420-3-50

Condensing Temperature °C
(Sat. Dew Pt. Pressure, bar)

Evaporating Temperature °C (Sat. Dew Pt. Pressure, bar)

		-40.0 (1)	-37.0 (1.2)	-34.0 (1.3)	-32.0 (1.5)	-29.0 (1.7)	-26.0 (1.9)	-23.0 (2.2)	-21.0 (2.4)	-18.0 (2.7)
60.0 (27)	C		4,020	6,140	7,540	9,640	11,750	14,000	15,550	18,000
	P		6,520	8,170	9,140	10,450	11,600	12,650	13,350	14,350
	A		14.9	17.1	18.4	20.1	21.7	23.0	23.9	25.2
	M		30	46	56	72	89	106	118	137
	E		0.6	0.8	0.8	0.9	1.0	1.1	1.2	1.3
	%		45.1	52.2	55.1	58.3	60.5	62.1	62.9	63.8
53.0 (22.9)	C	3,690	5,870	8,010	9,450	11,650	13,950	16,350	18,100	20,800
	P	5,320	6,970	8,380	9,200	10,300	11,250	12,150	12,700	13,550
	A	13.6	15.8	17.7	18.8	20.2	21.5	22.7	23.5	24.6
	M	25	40	54	64	79	95	112	124	144
	E	0.7	0.8	1.0	1.0	1.1	1.2	1.4	1.4	1.5
	%	46.3	52.9	56.8	58.6	60.9	62.7	64.1	64.8	65.6
46.0 (19.3)	C	5,590	7,740	9,910	11,400	13,700	16,150	18,800	20,700	23,700
	P	5,750	7,170	8,350	9,040	9,940	10,750	11,450	11,950	12,650
	A	14.1	16.0	17.6	18.5	19.7	20.8	21.8	22.4	23.4
	M	35	48	62	71	86	102	119	131	151
	E	1.0	1.1	1.2	1.3	1.4	1.5	1.6	1.7	1.9
	%	56.1	58.7	60.7	61.9	63.5	65.0	66.3	66.9	67.5
39.0 (16.2)	C	7,390	9,530	11,750	13,250	15,700	18,300	21,200	23,200	26,500
	P	5,950	7,170	8,160	8,730	9,470	10,100	10,700	11,100	11,700
	A	14.2	15.8	17.0	17.8	18.8	19.6	20.5	21.0	21.9
	M	43	55	68	77	92	107	124	137	157
	E	1.2	1.3	1.4	1.5	1.7	1.8	2.0	2.1	2.3
	%	62.3	62.6	63.5	64.3	65.5	66.8	68.0	68.5	68.9
32.0 (13.5)	C	9,000	11,100	13,350	14,950	17,500	20,300	23,400	25,600	29,200
	P	6,000	7,030	7,860	8,320	8,910	9,430	9,920	10,250	10,800
	A	14.0	15.3	16.3	16.9	17.6	18.3	19.0	19.5	20.3
	M	49	61	73	82	96	112	129	141	162
	E	1.5	1.6	1.7	1.8	2.0	2.2	2.4	2.5	2.7
	%	65.5	64.6	64.8	65.4	66.4	67.6	68.5	68.9	69.0
25.0 (11.1)	C	10,300	12,400	14,700	16,350	19,050	22,000	25,300	27,700	31,600
	P	5,940	6,810	7,490	7,870	8,350	8,760	9,160	9,440	9,910
	A	13.7	14.7	15.5	15.9	16.5	17.1	17.6	18.1	18.8
	M	53	64	76	84	99	114	131	144	165
	E	1.7	1.8	2.0	2.1	2.3	2.5	2.8	2.9	3.2
	%	65.6	64.2	64.2	64.6	65.6	66.6	67.3	67.5	67.1
18.0 (9.1)	C	11,200	13,300	15,650	17,400	20,200	23,300	26,900	29,500	33,700
	P	5,830	6,570	7,130	7,430	7,820	8,160	8,490	8,740	9,170
	A	13.6	14.3	14.9	15.2	15.6	16.0	16.5	16.9	17.6
	M	55	65	77	85	99	115	132	145	167
	E	1.9	2.0	2.2	2.3	2.6	2.9	3.2	3.4	3.7
	%	62.5	61.1	61.1	61.4	62.3	63.1	63.5	63.4	62.3
11.0 (7.4)	C	11,550	13,700	16,100	17,900	20,800	24,200	28,000	30,700	35,300
	P	5,740	6,360	6,830	7,080	7,390	7,670	7,970	8,200	8,620
	A	13.9	14.4	14.7	14.9	15.1	15.4	15.8	16.2	16.8
	M	54	64	75	83	97	113	131	144	166
	E	2.0	2.2	2.4	2.5	2.8	3.2	3.5	3.8	4.1
	%	55.9	54.9	55.0	55.4	56.1	56.6	56.6	56.0	54.2
4.0 (5.9)	C	11,300	13,450	15,950	17,800	20,900	24,400	28,500	31,400	36,300
	P	5,710	6,240	6,640	6,850	7,120	7,370	7,650	7,880	8,310
	A	14.7	14.9	15.1	15.2	15.3	15.5	15.8	16.2	16.8
	M	50	60	71	79	93	109	127	141	163
	E	2.0	2.2	2.4	2.6	2.9	3.3	3.7	4.0	4.4
	%	46.1	45.6	45.9	46.3	46.8	47.0	46.3	45.3	42.6

C: Capacidad (W), P: Potencia (W), A: Corriente (amperios), M: flujo de masa (gm/s), E: COP, %: isentrópica Eficiencia (%)

Nominal Performance Values (±5%) based on 72 hours run-in. Subject to change without notice. Current @ 400 V

4DHNF63KE-FSD-XXX

380/420 Volts, 50 Hz, 3 Phase
R-449A, Dew-Point, Low Temp, Low Condensing
(Discus)

Resumen



Eléctrico

Voltaje Medio	Ato Voltaje	Fase	Frecuencia	RPM		
380	420	3	50	0		
Corriente Continua Máxima - CCM (Amps.)	Corriente Operativa Máxima (Amps.)	Amperes de Carga Asignada - RLA		Amperes de Rotor Trabado - LRA		
		Cant. Corr. Máx. / 1,4 Usar Para Selección de Contatista	Cant. Corr. Máx. / 1,56 Usar para Selección de Medida de Interruptor y Cable	Bajo	Altura	Medio Bobinado
34.3		24.5	22.0		136.0	81.6

Mecánico

Dimensiones Generales			Dimensiones de Montaje			Conexión de Succión		Conexión de Descarga	
Largo (mm)	Ancho (mm)	Alto (mm)	Largo (mm)	Ancho (mm)	Alto (mm)	Medida (pulg.)	Tipo	Medida (mm)	Tipo
703.07	520.45	567.94	381.00	304.80	600.96	1.625	SW	1.625	SW

Desplazamiento

N° de Cilindros	Calibre (mm)	Recorrido (mm)	Desplazamiento (cm³/Revolución)	Desplazamiento (m³/hr)	Caballaje (HP)	Plano	Peso (kg)
4	68.28	56.01	820.21	71.35	10	497-0959-00	224.53
Tipo de Aceite	Carga Inicial (litro)	Recarga (litro)	Información de Agencia				
			Nro. Archivo UL	Fecha Archivo UL	N° Archivo CSA		
POE	3.4	3.11					

Sonido y Vibración

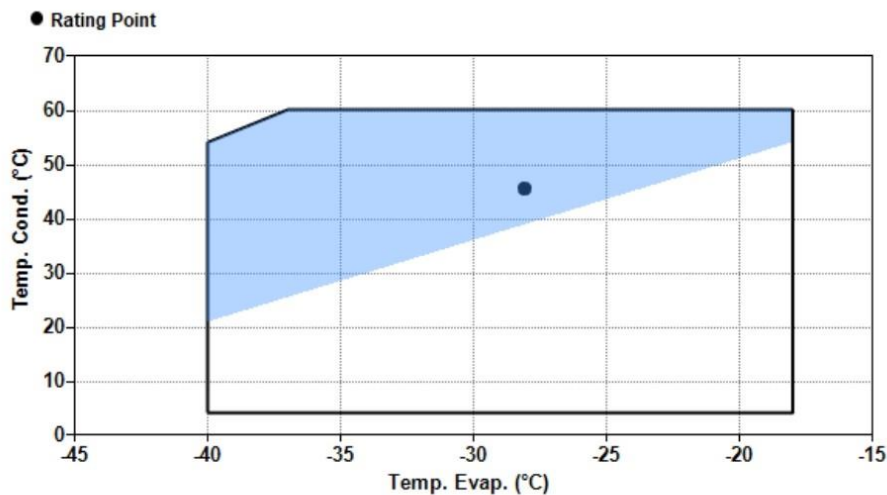
Nivel Promedio de Intensidad de Sonido (dBA)	Nivel Máximo de Intensidad del Sonido (dBA)	Vibración Promedio Pico-Pico (mm)	Vibración Máxima Pico-Pico (mm)	Impulso de Descarga Promedio Pico-Pico (bar.)	Impulso de Descarga Máxima Pico-Pico (bar.)
			0.093	1	1

Emerson Climate Technologies

January 25, 2023

Marco Operativo

Marco Operativo: 4DHNF63KE-FSD (HFO-449A)



Rating Ref. No.: 15-311

Blue Area Restrictions: Low Superheat and/or Demand Cooling. Refer to AE4-1287 for Details

Rating Conditions

18.3 °C Return Gas
0 K Subcooling
35 °C Ambient Air Over

50 Hz Operation

LOW TEMPERATURE

4DHNF63KE-FSD

HFC-507
DISCUS® COMPRESSOR
FSD 380/420-3-50

HFCs Require Polyol Ester
Lubricant See Form 93-11

Condensing Temperature °C (Sat. Dew Pt. Pressure, bar) Evaporating Temperature °C (Sat. Dew Pt. Pressure, bar)

		-40.0 (1.4)	-35.0 (1.7)	-30.0 (2.1)	-25.0 (2.6)	-20.0 (3.1)	-18.0 (3.4)
54.0 (25.8)	C	6,750	9,750	12,950	16,400	20,500	22,400
	P	7,350	9,350	11,200	12,900	14,400	15,100
	A	16.8	19.3	21.7	24.1	26.5	27.5
	M	65	95	126	162	204	223
	E	0.9	1.0	1.2	1.3	1.4	1.5
	%	68.0	70.6	71.2	71.4	71.6	71.8
50.0 (23.6)	C	7,450	10,650	14,000	17,800	22,100	24,100
	P	7,550	9,400	11,000	12,500	14,000	14,500
	A	17.1	19.4	21.5	23.7	25.8	26.7
	M	67	96	127	163	205	224
	E	1.0	1.1	1.3	1.4	1.6	1.7
	%	65.9	69.0	70.2	70.8	71.3	71.5
40.0 (18.7)	C	9,700	13,300	17,200	21,600	26,800	29,100
	P	7,800	9,200	10,500	11,600	12,800	13,200
	A	17.3	19.0	20.7	22.3	24.0	24.6
	M	75	104	135	171	213	232
	E	1.2	1.5	1.7	1.9	2.1	2.2
	%	65.9	69.0	70.6	71.5	71.8	71.8
30.0 (14.6)	C	12,450	16,500	21,000	26,100	32,000	34,500
	P	7,600	8,750	9,750	10,700	11,700	12,100
	A	17.0	18.4	19.7	21.0	22.3	22.8
	M	86	115	146	183	226	246
	E	1.6	1.9	2.2	2.4	2.8	2.9
	%	69.2	71.3	72.2	72.2	71.4	70.9
20.0 (11.2)	C	15,500	20,000	25,100	31,000	37,500	41,000
	P	7,150	8,150	9,050	9,900	10,800	11,200
	A	16.6	17.9	19.1	20.2	21.3	21.8
	M	97	126	158	196	240	260
	E	2.2	2.5	2.8	3.1	3.5	3.6
	%	73.2	73.3	72.3	70.5	67.6	66.1
10.0 (8.5)	C	18,600	23,700	29,400	36,000	43,500	47,000
	P	6,500	7,500	8,400	9,300	10,300	10,700
	A	16.7	18.0	19.3	20.4	21.6	22.0
	M	107	136	170	208	254	275
	E	2.9	3.2	3.5	3.9	4.3	4.4
	%	76.2	72.8	68.9	64.1	58.2	55.5
5.0 (7.3)	C	20,200	25,500	31,500	38,500	46,500	50,000
	P	6,150	7,150	8,100	9,100	10,100	10,600
	A	17.0	18.5	19.8	21.1	22.3	22.8
	M	111	141	175	214	261	281
	E	3.3	3.6	3.9	4.2	4.6	4.7
	%	76.7	71.1	65.2	58.6	51.1	47.8

C: Capacidad (W), P: Potencia (W), A: Corriente (amperios), M: flujo de masa (gm/s), E: COP, %: isentrópica Eficiencia (%)

Nominal Performance Values (±5%) based on 72 hours run-in. Subject to change without notice. Current @ 400 V

Rating Conditions

18.3 °C Return Gas
0 K Subcooling
35 °C Ambient Air Over

50 Hz Operation

**LOW
TEMPERATURE**

4DJNF76KE-FSD

HFC-404A
DISCUS® COMPRESSOR
FSD 380/420-3-50

HFCs Require Polyol Ester
Lubricant See Form 93-11

Condensing Temperature °C
(Sat. Dew Pt. Pressure, bar)

Evaporating Temperature °C (Sat. Dew Pt. Pressure, bar)

		-40.0 (1.3)	-35.0 (1.6)	-30.0 (2)	-25.0 (2.5)	-20.0 (3)	-18.0 (3.2)
54.0 (25.1)	C	6,550	10,700	14,800	19,100	23,700	25,700
	P	7,700	10,300	12,600	14,700	16,600	17,300
	A	17.6	21.2	24.4	27.4	30.1	31.2
	M	61	100	139	181	226	246
	E	0.9	1.0	1.2	1.3	1.4	1.5
	%	62.9	69.4	71.3	71.7	71.4	71.1
50.0 (23)	C	8,150	12,200	16,400	20,800	25,700	27,800
	P	8,150	10,500	12,600	14,400	16,100	16,800
	A	18.3	21.5	24.4	27.0	29.5	30.5
	M	71	106	144	184	229	248
	E	1.0	1.2	1.3	1.4	1.6	1.7
	%	66.3	70.0	71.1	71.3	70.9	70.6
40.0 (18.1)	C	11,400	15,600	20,200	25,200	31,000	33,500
	P	8,700	10,500	12,000	13,500	14,800	15,400
	A	19.2	21.5	23.6	25.6	27.7	28.5
	M	86	118	153	193	239	260
	E	1.3	1.5	1.7	1.9	2.1	2.2
	%	69.2	70.8	71.5	71.7	71.2	70.8
30.0 (14.1)	C	14,050	18,800	24,100	30,500	37,500	40,500
	P	8,600	9,950	11,200	12,300	13,600	14,100
	A	19.1	20.7	22.2	23.9	25.8	26.6
	M	94	127	164	206	257	279
	E	1.6	1.9	2.2	2.5	2.8	2.9
	%	69.2	71.4	72.6	72.8	71.7	70.9
20.0 (10.8)	C	16,300	22,000	28,600	36,000	45,000	49,000
	P	8,100	9,200	10,200	11,300	12,600	13,100
	A	18.4	19.5	20.8	22.3	24.2	25.0
	M	99	134	175	223	280	305
	E	2.0	2.4	2.8	3.2	3.6	3.7
	%	68.2	71.4	72.8	72.2	69.6	67.9
10.0 (8.2)	C	18,400	25,500	33,500	43,000	54,500	59,000
	P	7,500	8,500	9,500	10,800	12,200	12,800
	A	17.4	18.3	19.5	21.1	23.3	24.3
	M	103	143	190	245	309	338
	E	2.5	3.0	3.5	4.0	4.5	4.6
	%	65.5	69.0	69.5	66.8	61.3	58.4
5.0 (7)	C	19,500	27,400	36,500	47,500	59,500	65,000
	P	7,250	8,300	9,400	10,700	12,300	13,000
	A	16.9	17.8	19.1	20.8	23.2	24.3
	M	105	148	198	257	326	356
	E	2.7	3.3	3.9	4.4	4.9	5.0
	%	62.9	66.1	65.5	61.4	54.2	50.7

C: Capacidad (W), P: Potencia (W), A: Corriente (amperios), M: flujo de masa (gm/s), E: COP, %: isentrópica Eficiencia (%)

Nominal Performance Values (±5%) based on 72 hours run-in. Subject to change without notice. Current @ 380 V

Rating Conditions

18.3 °C Return Gas
0 K Subcooling
35 °C Ambient Air Over

50 Hz Operation

LOW TEMPERATURE

Blue Area Restrictions: Low Superheat and/or Demand Cooling.
Refer to AEA-1287 for Details

4DJNF76KE-FSD

HFO-448A
DISCUS® COMPRESSOR
FSD 380/420-3-50

Condensing Temperature °C
(Sat. Dew Pt. Pressure, bar)

Evaporating Temperature °C (Sat. Dew Pt. Pressure, bar)

		-40.0 (1)	-37.0 (1.2)	-34.0 (1.3)	-32.0 (1.5)	-29.0 (1.7)	-26.0 (1.9)	-23.0 (2.2)	-21.0 (2.4)	-18.0 (2.7)
60.0 (27.2)	C		4,230	6,740	8,420	11,050	13,900	17,000	19,300	23,100
	P		8,180	9,800	10,850	12,300	13,700	15,100	16,050	17,450
	A		18.0	20.3	21.7	23.8	25.7	27.7	29.1	31.2
	M		31	49	62	82	103	126	144	173
	E		0.5	0.7	0.8	0.9	1.0	1.1	1.2	1.3
%		38.0	47.7	52.0	56.7	60.3	63.3	65.0	67.4	
53.0 (23.1)	C	4,290	6,880	9,460	11,200	13,950	16,950	20,300	22,700	26,800
	P	7,090	8,630	10,050	10,950	12,200	13,450	14,600	15,400	16,650
	A	16.8	19.0	20.9	22.1	23.9	25.6	27.3	28.4	30.3
	M	29	46	63	75	94	114	137	154	182
	E	0.6	0.8	0.9	1.0	1.1	1.3	1.4	1.5	1.6
%	40.4	50.2	55.9	58.5	61.5	63.9	66.0	67.2	68.8	
46.0 (19.4)	C	6,750	9,390	12,050	13,900	16,750	19,950	23,500	26,000	30,400
	P	7,510	8,860	10,100	10,850	11,950	12,950	14,000	14,650	15,700
	A	17.4	19.2	20.9	21.9	23.4	24.8	26.2	27.2	28.8
	M	41	58	74	86	104	124	146	163	190
	E	0.9	1.1	1.2	1.3	1.4	1.5	1.7	1.8	1.9
%	52.0	57.8	61.2	62.9	64.9	66.5	67.9	68.8	69.9	
39.0 (16.3)	C	9,000	11,700	14,450	16,400	19,400	22,800	26,500	29,300	33,900
	P	7,690	8,870	9,920	10,550	11,500	12,350	13,200	13,750	14,650
	A	17.5	19.0	20.4	21.2	22.4	23.6	24.8	25.6	27.0
	M	52	67	83	94	112	132	154	170	197
	E	1.2	1.3	1.5	1.6	1.7	1.8	2.0	2.1	2.3
%	58.9	62.4	64.6	65.7	67.0	68.2	69.2	69.7	70.4	
32.0 (13.6)	C	11,000	13,800	16,650	18,650	21,900	25,400	29,400	32,300	37,200
	P	7,670	8,680	9,570	10,100	10,850	11,600	12,300	12,800	13,550
	A	17.2	18.5	19.6	20.3	21.2	22.2	23.2	23.9	25.1
	M	59	74	90	101	118	138	160	176	203
	E	1.4	1.6	1.7	1.9	2.0	2.2	2.4	2.5	2.8
%	62.8	65.0	66.5	67.2	68.2	69.0	69.7	69.9	70.1	
25.0 (11.2)	C	12,700	15,600	18,600	20,700	24,100	27,800	32,000	35,100	40,300
	P	7,460	8,320	9,070	9,520	10,150	10,750	11,300	11,700	12,350
	A	16.9	17.9	18.8	19.3	20.0	20.8	21.6	22.2	23.2
	M	65	79	95	105	123	142	164	180	208
	E	1.7	1.9	2.1	2.2	2.4	2.6	2.8	3.0	3.3
%	64.7	66.2	67.2	67.7	68.4	68.9	69.2	69.2	68.9	
18.0 (9.1)	C	14,100	17,100	20,200	22,400	26,000	30,000	34,400	37,700	43,200
	P	7,070	7,810	8,430	8,800	9,300	9,770	10,250	10,550	11,100
	A	16.5	17.3	18.0	18.4	18.9	19.5	20.2	20.7	21.6
	M	68	82	98	108	126	145	167	184	211
	E	2.0	2.2	2.4	2.6	2.8	3.1	3.4	3.6	3.9
%	65.1	66.1	66.8	67.2	67.6	67.8	67.7	67.4	66.3	
11.0 (7.4)	C	15,100	18,200	21,500	23,800	27,600	31,800	36,500	40,000	45,800
	P	6,540	7,160	7,680	7,970	8,370	8,740	9,110	9,370	9,800
	A	16.5	17.1	17.6	17.8	18.2	18.7	19.2	19.6	20.4
	M	69	83	99	109	127	147	169	185	213
	E	2.3	2.5	2.8	3.0	3.3	3.6	4.0	4.3	4.7
%	64.3	64.9	65.4	65.6	65.7	65.5	64.8	64.0	62.0	
4.0 (5.9)	C	15,650	18,900	22,300	24,800	28,800	33,200	38,200	41,900	48,000
	P	5,870	6,400	6,820	7,060	7,370	7,660	7,950	8,160	8,510
	A	16.9	17.3	17.6	17.8	18.1	18.4	18.8	19.1	19.8
	M	69	83	98	109	127	146	169	185	213
	E	2.7	3.0	3.3	3.5	3.9	4.3	4.8	5.1	5.6
%	62.3	62.7	62.8	62.8	62.5	61.6	60.1	58.5	55.3	

C: Capacidad (W), P: Potencia (W), A: Corriente (amperios), M: flujo de masa (gm/s), E: COP, %: isentrópica Eficiencia (%)

Nominal Performance Values (±5%) based on 72 hours run-in. Subject to change without notice. Current @ 400 V

Rating Conditions

18.3 °C Return Gas
0 K Subcooling
35 °C Ambient Air Over

50 Hz Operation

LOW TEMPERATURE

Blue Area Restrictions: Low Superheat and/or Demand Cooling.
Refer to AFA-1287 for Details

4DJNF76KE-FSD

HFO-449A
DISCUS® COMPRESSOR
FSD 380/420-3-50

Condensing Temperature °C
(Sat. Dew Pt. Pressure, bar)

Evaporating Temperature °C (Sat. Dew Pt. Pressure, bar)

		-40.0 (1)	-37.0 (1.2)	-34.0 (1.3)	-32.0 (1.5)	-29.0 (1.7)	-26.0 (1.9)	-23.0 (2.2)	-21.0 (2.4)	-18.0 (2.7)
60.0 (27)	C		4,230	6,740	8,420	11,050	13,900	17,000	19,300	23,100
	P		8,180	9,800	10,850	12,300	13,700	15,100	16,050	17,450
	A		18.0	20.3	21.7	23.8	25.7	27.7	29.1	31.2
	M		32	50	63	83	105	129	146	176
	E		0.5	0.7	0.8	0.9	1.0	1.1	1.2	1.3
%		38.0	47.7	52.0	56.8	60.3	63.3	65.1	67.5	
53.0 (22.9)	C	4,290	6,880	9,460	11,200	13,950	16,950	20,300	22,700	26,800
	P	7,090	8,630	10,050	10,950	12,200	13,450	14,600	15,400	16,650
	A	16.8	19.0	20.9	22.1	23.9	25.6	27.3	28.4	30.3
	M	29	47	64	76	95	116	139	156	185
	E	0.6	0.8	0.9	1.0	1.1	1.3	1.4	1.5	1.6
%	40.3	50.2	55.9	58.5	61.5	63.9	65.9	67.2	68.8	
46.0 (19.3)	C	6,750	9,390	12,050	13,900	16,750	19,950	23,500	26,000	30,400
	P	7,510	8,860	10,100	10,850	11,950	12,950	14,000	14,650	15,700
	A	17.4	19.2	20.9	21.9	23.4	24.8	26.2	27.2	28.8
	M	42	59	75	87	105	126	148	165	193
	E	0.9	1.1	1.2	1.3	1.4	1.5	1.7	1.8	1.9
%	51.9	57.6	61.1	62.8	64.8	66.4	67.8	68.7	69.8	
39.0 (16.2)	C	9,000	11,700	14,450	16,400	19,400	22,800	26,500	29,300	33,900
	P	7,690	8,870	9,920	10,550	11,500	12,350	13,200	13,750	14,650
	A	17.5	19.0	20.4	21.2	22.4	23.6	24.8	25.6	27.0
	M	52	68	84	96	114	133	156	172	200
	E	1.2	1.3	1.5	1.6	1.7	1.8	2.0	2.1	2.3
%	58.7	62.2	64.4	65.5	66.9	68.1	69.0	69.6	70.2	
32.0 (13.5)	C	11,000	13,800	16,650	18,650	21,900	25,400	29,400	32,300	37,200
	P	7,670	8,680	9,570	10,100	10,850	11,600	12,300	12,800	13,550
	A	17.2	18.5	19.6	20.3	21.2	22.2	23.2	23.9	25.1
	M	60	75	91	102	120	140	162	178	206
	E	1.4	1.6	1.7	1.9	2.0	2.2	2.4	2.5	2.8
%	62.6	64.8	66.3	67.1	68.0	68.8	69.5	69.8	69.9	
25.0 (11.1)	C	12,700	15,600	18,600	20,700	24,100	27,800	32,000	35,100	40,300
	P	7,460	8,320	9,070	9,520	10,150	10,750	11,300	11,700	12,350
	A	16.9	17.9	18.8	19.3	20.0	20.8	21.6	22.2	23.2
	M	65	80	96	107	125	144	166	183	210
	E	1.7	1.9	2.1	2.2	2.4	2.6	2.8	3.0	3.3
%	64.5	66.0	67.0	67.5	68.2	68.7	69.0	69.0	68.7	
18.0 (9.1)	C	14,100	17,100	20,200	22,400	26,000	30,000	34,400	37,700	43,200
	P	7,070	7,810	8,430	8,800	9,300	9,770	10,250	10,550	11,100
	A	16.5	17.3	18.0	18.4	18.9	19.5	20.2	20.7	21.6
	M	69	83	99	110	127	147	169	186	214
	E	2.0	2.2	2.4	2.6	2.8	3.1	3.4	3.6	3.9
%	64.9	65.9	66.6	67.0	67.4	67.6	67.5	67.2	66.1	
11.0 (7.4)	C	15,100	18,200	21,500	23,800	27,600	31,800	36,500	40,000	45,800
	P	6,540	7,160	7,680	7,970	8,370	8,740	9,110	9,370	9,800
	A	16.5	17.1	17.6	17.8	18.2	18.7	19.2	19.6	20.4
	M	70	84	100	111	129	148	171	188	215
	E	2.3	2.5	2.8	3.0	3.3	3.6	4.0	4.3	4.7
%	64.0	64.7	65.1	65.3	65.5	65.3	64.6	63.8	61.8	
4.0 (5.9)	C	15,650	18,900	22,300	24,800	28,800	33,200	38,200	41,900	48,000
	P	5,870	6,400	6,820	7,060	7,370	7,660	7,950	8,160	8,510
	A	16.9	17.3	17.6	17.8	18.1	18.4	18.8	19.1	19.8
	M	69	84	99	110	128	148	171	188	216
	E	2.7	3.0	3.3	3.5	3.9	4.3	4.8	5.1	5.6
%	62.0	62.4	62.6	62.6	62.2	61.4	59.9	58.3	55.1	

C: Capacidad (W), P: Potencia (W), A: Corriente (amperios), M: flujo de masa (gm/s), E: COP, %: isentrópica Eficiencia (%)

Nominal Performance Values (±5%) based on 72 hours run-in. Subject to change without notice. Current @ 400 V

Rating Conditions

18.3 °C Return Gas
0 K Subcooling
35 °C Ambient Air Over

50 Hz Operation

LOW TEMPERATURE

4DJNF76KE-FSD

HFC-507
DISCUS® COMPRESSOR
FSD 380/420-3-50

HFCs Require Polyol Ester
Lubricant See Form 93-11

Condensing Temperature °C
(Sat. Dew Pt. Pressure, bar)

Evaporating Temperature °C (Sat. Dew Pt. Pressure, bar)

		-40.0 (1.4)	-35.0 (1.7)	-30.0 (2.1)	-25.0 (2.6)	-20.0 (3.1)	-18.0 (3.4)
54.0 (25.8)	C	6,750	11,050	15,300	19,700	24,400	28,500
	P	7,850	10,500	12,900	15,000	16,900	17,600
	A	18.0	21.6	24.9	27.9	30.7	31.8
	M	65	107	149	194	243	264
	E	0.9	1.1	1.2	1.3	1.5	1.5
	%	64.1	70.8	72.8	73.3	73.0	72.7
50.0 (23.6)	C	8,400	12,550	16,800	21,400	26,400	28,600
	P	8,350	10,700	12,800	14,700	16,400	17,100
	A	18.7	21.9	24.8	27.5	30.1	31.1
	M	75	114	153	196	244	265
	E	1.0	1.2	1.3	1.5	1.6	1.7
	%	67.4	71.2	72.4	72.6	72.2	71.9
40.0 (18.7)	C	11,750	16,100	20,800	26,000	32,000	34,500
	P	8,900	10,700	12,300	13,700	15,100	15,700
	A	19.6	21.9	24.0	26.1	28.2	29.1
	M	92	126	163	205	254	276
	E	1.3	1.5	1.7	1.9	2.1	2.2
	%	70.0	71.7	72.5	72.6	72.2	71.8
30.0 (14.6)	C	14,450	19,300	24,900	31,000	38,500	42,000
	P	8,750	10,100	11,400	12,600	13,800	14,400
	A	19.5	21.1	22.7	24.4	26.3	27.1
	M	100	134	173	219	272	296
	E	1.7	1.9	2.2	2.5	2.8	2.9
	%	69.9	72.1	73.3	73.6	72.5	71.7
20.0 (11.2)	C	16,800	22,600	29,400	37,500	46,500	50,500
	P	8,250	9,350	10,400	11,600	12,800	13,400
	A	18.7	19.9	21.2	22.7	24.7	25.6
	M	105	142	185	236	296	323
	E	2.0	2.4	2.8	3.2	3.6	3.8
	%	68.7	71.9	73.4	72.9	70.2	68.5
10.0 (8.5)	C	19,000	26,200	34,500	44,500	56,000	61,000
	P	7,650	8,700	9,750	11,000	12,400	13,100
	A	17.7	18.7	19.9	21.6	23.7	24.8
	M	109	151	200	258	326	356
	E	2.5	3.0	3.6	4.1	4.5	4.7
	%	65.8	69.5	69.9	67.3	61.8	58.9
5.0 (7.3)	C	20,100	28,200	37,500	48,500	61,500	67,000
	P	7,400	8,450	9,600	10,900	12,500	13,300
	A	17.3	18.2	19.5	21.3	23.7	24.8
	M	111	156	209	271	344	376
	E	2.7	3.3	3.9	4.5	4.9	5.1
	%	63.2	66.5	65.9	61.8	54.6	51.0

C: Capacidad (W), P: Potencia (W), A: Corriente (amperios), M: flujo de masa (gm/s), E: COP, %: isentrópica Eficiencia (%)

Nominal Performance Values (±5%) based on 72 hours run-in. Subject to change without notice. Current @ 380 V

Rating Conditions

18.3 °C Return Gas
0 K Subcooling
35 °C Ambient Air Over

50 Hz Operation

LOW TEMPERATURE

6DHNF93KE-FSD

HFC-404A
DISCUS® COMPRESSOR
FSD 380/420-3-50

HFCs Require Polyol Ester
Lubricant See Form 93-11

Condensing Temperature °C
(Sat. Dew Pt. Pressure, bar)

Evaporating Temperature °C (Sat. Dew Pt. Pressure, bar)

		-40.0 (1.3)	-35.0 (1.6)	-30.0 (2)	-25.0 (2.5)	-20.0 (3)	-18.0 (3.2)
54.0 (25.1)	C	8,450	13,100	18,300	24,100	30,500	33,000
	P	9,450	12,700	15,700	18,500	21,100	22,100
	A	23.7	27.5	31.3	35.2	39.0	40.5
	M	78	122	172	228	290	316
	E	0.9	1.0	1.2	1.3	1.4	1.5
	%	65.6	69.0	70.9	71.8	71.7	71.5
50.0 (23)	C	10,150	14,900	20,300	26,300	33,000	36,000
	P	10,200	13,100	15,800	18,300	20,600	21,500
	A	24.5	27.9	31.3	34.8	38.3	39.6
	M	88	130	178	233	294	320
	E	1.0	1.1	1.3	1.4	1.6	1.7
	%	66.2	68.6	70.4	71.3	71.3	71.1
40.0 (18.1)	C	13,950	19,000	25,000	32,000	39,500	43,000
	P	11,000	13,100	15,100	17,100	18,900	19,600
	A	25.2	27.8	30.5	33.2	35.9	37.0
	M	105	144	190	244	306	333
	E	1.3	1.5	1.7	1.9	2.1	2.2
	%	67.2	68.9	70.6	71.6	71.5	71.2
30.0 (14.1)	C	17,500	23,100	29,900	38,000	47,000	51,000
	P	10,700	12,300	13,900	15,500	17,100	17,700
	A	24.9	26.9	29.0	31.2	33.5	34.4
	M	118	156	202	258	322	350
	E	1.6	1.9	2.2	2.4	2.8	2.9
	%	69.4	70.8	72.1	72.5	71.5	70.6
20.0 (10.8)	C	21,400	27,700	35,500	45,000	55,500	60,000
	P	10,100	11,400	12,800	14,300	15,900	16,600
	A	24.2	25.9	27.7	29.6	31.7	32.5
	M	130	169	218	276	345	375
	E	2.1	2.4	2.8	3.1	3.5	3.6
	%	71.8	72.3	72.2	70.8	67.6	65.8
10.0 (8.2)	C	26,300	33,500	42,500	53,500	66,000	71,500
	P	9,900	11,200	12,700	14,300	16,100	16,900
	A	24.1	25.7	27.4	29.3	31.4	32.3
	M	147	188	240	302	374	407
	E	2.7	3.0	3.4	3.7	4.1	4.2
	%	70.5	68.9	66.3	62.1	56.1	53.3
5.0 (7)	C	29,200	37,000	47,000	58,500	72,000	78,000
	P	10,200	11,600	13,100	14,900	17,000	17,900
	A	24.5	26.1	27.9	29.9	32.1	33.0
	M	157	200	253	318	393	426
	E	2.9	3.2	3.6	3.9	4.2	4.4
	%	66.9	64.0	60.0	54.5	47.4	44.2

C: Capacidad (W), P: Potencia (W), A: Corriente (amperios), M: flujo de masa (gm/s), E: COP, %: isentrópica Eficiencia (%)

Nominal Performance Values (±5%) based on 72 hours run-in. Subject to change without notice. Current @ 400 V

Rating Conditions

18.3 °C Return Gas
0 K Subcooling
35 °C Ambient Air Over

50 Hz Operation

LOW TEMPERATURE

Blue Area Restrictions: Low Superheat and/or Demand Cooling.
Refer to AEA-1287 for Details

6DHNF93KE-FSD

HFO-448A
DISCUS® COMPRESSOR
FSD 380/420-3-50

Condensing Temperature °C
(Sat. Dew Pt. Pressure, bar)

Evaporating Temperature °C (Sat. Dew Pt. Pressure, bar)

	-40.0 (1)	-37.0 (1.2)	-34.0 (1.3)	-32.0 (1.5)	-29.0 (1.7)	-26.0 (1.9)	-23.0 (2.2)	-21.0 (2.4)	-18.0 (2.7)
60.0 (27.2)	C	3,850	6,930	9,040	12,350	15,900	19,800	22,600	27,100
	P	13,000	13,450	14,000	15,150	16,550	18,150	19,350	21,100
	A	26.5	27.2	28.0	29.6	31.5	33.8	35.5	38.3
	M	28	51	66	91	118	147	168	203
	E	0.3	0.5	0.7	0.8	1.0	1.1	1.2	1.3
%	21.8	35.7	43.1	51.5	57.3	61.1	63.0	65.3	
53.0 (23.1)	C	4,890	7,910	11,050	13,200	16,600	20,300	24,400	32,200
	P	12,450	12,550	13,100	13,700	14,800	16,200	17,700	20,400
	A	26.0	26.3	27.1	27.9	29.4	31.3	33.4	35.0
	M	33	53	74	88	112	137	165	219
	E	0.4	0.6	0.8	1.0	1.1	1.3	1.4	1.5
%	26.2	39.6	49.9	55.0	60.3	63.6	65.6	67.7	
46.0 (19.4)	C	8,190	11,200	14,400	16,650	20,200	24,100	28,400	36,700
	P	11,800	12,000	12,600	13,200	14,300	15,600	17,000	19,350
	A	25.1	25.5	26.3	27.1	28.6	30.3	32.3	35.8
	M	50	69	89	103	125	150	177	230
	E	0.7	0.9	1.1	1.3	1.4	1.5	1.7	1.9
%	40.2	50.9	58.4	61.8	65.1	66.8	67.6	68.5	
39.0 (16.3)	C	10,850	13,900	17,150	19,450	23,200	27,300	31,900	40,600
	P	11,050	11,350	12,000	12,600	13,650	14,850	16,100	18,100
	A	23.8	24.3	25.2	26.0	27.3	28.9	30.6	31.8
	M	62	80	99	112	134	158	185	204
	E	1.0	1.2	1.4	1.5	1.7	1.8	2.0	2.1
%	49.4	57.9	63.3	65.5	67.2	67.9	68.1	68.4	
32.0 (13.6)	C	13,000	16,100	19,450	21,800	25,700	30,100	34,900	44,200
	P	10,250	10,600	11,300	11,900	12,900	14,000	15,100	16,700
	A	22.5	23.0	23.9	24.6	25.9	27.3	28.8	29.8
	M	70	87	105	118	139	163	190	209
	E	1.3	1.5	1.7	1.8	2.0	2.2	2.3	2.4
%	55.6	62.1	65.7	67.0	67.7	67.7	67.5	67.4	
25.0 (11.2)	C	14,700	17,900	21,400	23,900	28,000	32,500	37,600	47,500
	P	9,390	9,830	10,500	11,100	12,000	13,000	13,900	15,100
	A	21.3	21.8	22.7	23.3	24.5	25.7	26.9	27.7
	M	75	91	109	122	143	166	193	212
	E	1.6	1.8	2.0	2.2	2.3	2.5	2.7	2.9
%	59.5	64.3	66.6	67.1	67.1	66.6	66.2	66.0	
18.0 (9.1)	C	16,150	19,450	23,000	25,600	29,900	34,800	40,200	50,700
	P	8,540	9,020	9,710	10,250	11,050	11,900	12,600	13,350
	A	20.4	21.0	21.7	22.3	23.3	24.3	25.2	25.8
	M	78	94	111	124	145	169	195	215
	E	1.9	2.2	2.4	2.5	2.7	2.9	3.2	3.4
%	61.9	65.1	66.2	66.1	65.5	64.7	64.2	64.1	
11.0 (7.4)	C	17,450	20,800	24,600	27,300	31,800	36,900	42,600	53,800
	P	7,710	8,220	8,880	9,360	10,100	10,750	11,250	11,500
	A	20.1	20.7	21.3	21.9	22.6	23.4	24.0	24.3
	M	80	96	113	126	147	170	197	217
	E	2.3	2.5	2.8	2.9	3.2	3.4	3.8	4.1
%	63.0	64.8	64.7	64.2	63.1	62.0	61.4	61.4	
4.0 (5.9)	C	18,700	22,200	26,100	29,000	33,700	39,100	45,200	57,000
	P	6,940	7,450	8,060	8,480	9,070	9,540	9,810	9,600
	A	20.6	21.1	21.7	22.1	22.7	23.2	23.5	23.4
	M	82	97	115	127	149	173	200	220
	E	2.7	3.0	3.2	3.4	3.7	4.1	4.6	5.1
%	62.9	63.2	62.2	61.1	59.6	58.3	57.6	58.2	

C: Capacidad (W), P: Potencia (W), A: Corriente (amperios), M: flujo de masa (gm/s), E: COP, %: isentrópica Eficiencia (%)

Nominal Performance Values (±5%) based on 72 hours run-in. Subject to change without notice. Current @ 400 V

Rating Conditions

18.3 °C Return Gas
0 K Subcooling
35 °C Ambient Air Over

50 Hz Operation

LOW TEMPERATURE

Blue Area Restrictions: Low Superheat and/or Demand Cooling.
Refer to AFA-1287 for Details

6DHN93KE-FSD

HFO-449A
DISCUS® COMPRESSOR
FSD 380/420-3-50

Condensing Temperature °C
(Sat. Dew Pt. Pressure, bar)

Evaporating Temperature °C (Sat. Dew Pt. Pressure, bar)

		-40.0 (1)	-37.0 (1.2)	-34.0 (1.3)	-32.0 (1.5)	-29.0 (1.7)	-26.0 (1.9)	-23.0 (2.2)	-21.0 (2.4)	-18.0 (2.7)
60.0 (27)	C		3,850	6,930	9,040	12,350	15,900	19,800	22,600	27,100
	P		13,000	13,450	14,000	15,150	16,550	18,150	19,350	21,100
	A		26.5	27.2	28.0	29.6	31.5	33.8	35.5	38.3
	M		29	52	68	93	120	149	171	206
	E		0.3	0.5	0.7	0.8	1.0	1.1	1.2	1.3
%		21.8	35.7	43.1	51.6	57.3	61.2	63.1	65.3	
53.0 (22.9)	C	4,890	7,910	11,050	13,200	16,600	20,300	24,400	27,400	32,200
	P	12,450	12,550	13,100	13,700	14,800	16,200	17,700	18,750	20,400
	A	26.0	26.3	27.1	27.9	29.4	31.3	33.4	35.0	37.4
	M	33	54	75	90	113	139	168	188	222
	E	0.4	0.6	0.8	1.0	1.1	1.3	1.4	1.5	1.6
%	26.1	39.6	49.9	55.0	60.3	63.6	65.6	66.5	67.7	
46.0 (19.3)	C	8,190	11,200	14,400	16,650	20,200	24,100	28,400	31,500	36,700
	P	11,800	12,000	12,600	13,200	14,300	15,600	17,000	17,950	19,350
	A	25.1	25.5	26.3	27.1	28.6	30.3	32.3	33.6	35.8
	M	51	70	90	104	127	152	180	200	233
	E	0.7	0.9	1.1	1.3	1.4	1.5	1.7	1.8	1.9
%	40.1	50.8	58.3	61.7	65.0	66.7	67.5	67.9	68.4	
39.0 (16.2)	C	10,850	13,900	17,150	19,450	23,200	27,300	31,900	35,200	40,600
	P	11,050	11,350	12,000	12,600	13,650	14,850	16,100	16,950	18,100
	A	23.8	24.3	25.2	26.0	27.3	28.9	30.6	31.8	33.7
	M	63	81	100	114	136	160	187	207	240
	E	1.0	1.2	1.4	1.5	1.7	1.8	2.0	2.1	2.2
%	49.3	57.7	63.1	65.3	67.1	67.8	67.9	68.0	68.3	
32.0 (13.5)	C	13,000	16,100	19,450	21,800	25,700	30,100	34,900	38,400	44,200
	P	10,250	10,600	11,300	11,900	12,900	14,000	15,100	15,750	16,700
	A	22.5	23.0	23.9	24.6	25.9	27.3	28.8	29.8	31.3
	M	71	88	106	120	141	165	192	212	245
	E	1.3	1.5	1.7	1.8	2.0	2.2	2.3	2.4	2.7
%	55.4	61.9	65.5	66.8	67.5	67.5	67.3	67.3	67.4	
25.0 (11.1)	C	14,700	17,900	21,400	23,900	28,000	32,500	37,600	41,400	47,500
	P	9,390	9,830	10,500	11,100	12,000	13,000	13,900	14,450	15,100
	A	21.3	21.8	22.7	23.3	24.5	25.7	26.9	27.7	28.8
	M	76	92	110	123	145	169	195	215	248
	E	1.6	1.8	2.0	2.2	2.3	2.5	2.7	2.9	3.2
%	59.3	64.1	66.3	66.9	66.8	66.4	66.0	65.9	66.1	
18.0 (9.1)	C	16,150	19,450	23,000	25,600	29,900	34,800	40,200	44,100	50,700
	P	8,540	9,020	9,710	10,250	11,050	11,900	12,600	13,000	13,350
	A	20.4	21.0	21.7	22.3	23.3	24.3	25.2	25.8	26.5
	M	79	95	113	125	147	171	198	218	251
	E	1.9	2.2	2.4	2.5	2.7	2.9	3.2	3.4	3.8
%	61.7	64.9	65.9	65.9	65.3	64.5	64.0	63.9	64.3	
11.0 (7.4)	C	17,450	20,800	24,600	27,300	31,800	36,900	42,600	46,900	53,800
	P	7,710	8,220	8,880	9,360	10,100	10,750	11,250	11,450	11,500
	A	20.1	20.7	21.3	21.9	22.6	23.4	24.0	24.3	24.7
	M	81	97	114	127	148	173	200	220	253
	E	2.3	2.5	2.8	2.9	3.2	3.4	3.8	4.1	4.7
%	62.8	64.5	64.5	63.9	62.8	61.8	61.2	61.2	61.8	
4.0 (5.9)	C	18,700	22,200	26,100	29,000	33,700	39,100	45,200	49,700	57,000
	P	6,940	7,450	8,060	8,480	9,070	9,540	9,810	9,840	9,600
	A	20.6	21.1	21.7	22.1	22.7	23.2	23.5	23.5	23.4
	M	83	98	116	129	150	175	202	222	256
	E	2.7	3.0	3.2	3.4	3.7	4.1	4.6	5.1	5.9
%	62.7	62.9	61.9	60.9	59.3	58.1	57.4	57.3	58.0	

C: Capacidad (W), P: Potencia (W), A: Corriente (amperios), M: flujo de masa (gm/s), E: COP, %: isentrópica Eficiencia (%)

Nominal Performance Values (±5%) based on 72 hours run-in. Subject to change without notice. Current @ 400 V

Rating Conditions

18.3 °C Return Gas
0 K Subcooling
35 °C Ambient Air Over

50 Hz Operation

LOW TEMPERATURE

6DHN93KE-FSD

HFC-507
DISCUS® COMPRESSOR
FSD 380/420-3-50

HFCs Require Polyol Ester
Lubricant See Form 93-11

Condensing Temperature °C
(Sat. Dew Pt. Pressure, bar)

Evaporating Temperature °C (Sat. Dew Pt. Pressure, bar)

		-40.0 (1.4)	-35.0 (1.7)	-30.0 (2.1)	-25.0 (2.6)	-20.0 (3.1)	-18.0 (3.4)
54.0 (25.8)	C	8,700	13,500	18,900	24,800	31,500	34,000
	P	9,650	13,000	16,000	18,900	21,500	22,500
	A	24.2	28.0	32.0	35.9	39.8	41.3
	M	84	131	184	244	310	339
	E	0.9	1.0	1.2	1.3	1.5	1.5
	%	67.0	70.4	72.4	73.4	73.3	73.1
50.0 (23.6)	C	10,450	15,300	20,900	27,100	34,000	37,000
	P	10,400	13,400	16,100	18,600	21,000	21,900
	A	25.0	28.4	32.0	35.5	39.0	40.4
	M	94	139	190	249	314	342
	E	1.0	1.2	1.3	1.5	1.6	1.7
	%	67.4	69.8	71.7	72.6	72.7	72.4
40.0 (18.7)	C	14,350	19,600	25,700	33,000	41,000	44,500
	P	11,200	13,400	15,400	17,400	19,300	20,000
	A	25.7	28.4	31.1	33.9	36.7	37.8
	M	112	153	202	260	325	354
	E	1.3	1.5	1.7	1.9	2.1	2.2
	%	68.0	69.8	71.6	72.5	72.5	72.2
30.0 (14.6)	C	18,000	23,700	31,000	39,000	48,500	52,500
	P	10,900	12,500	14,200	15,800	17,400	18,100
	A	25.4	27.4	29.6	31.8	34.1	35.1
	M	125	165	214	273	342	371
	E	1.7	1.9	2.2	2.5	2.8	2.9
	%	70.0	71.5	72.9	73.2	72.2	71.4
20.0 (11.2)	C	22,000	28,500	36,500	46,000	57,000	62,000
	P	10,300	11,700	13,100	14,600	16,300	16,900
	A	24.7	26.4	28.2	30.2	32.3	33.2
	M	138	179	230	292	364	396
	E	2.1	2.5	2.8	3.2	3.5	3.7
	%	72.3	72.8	72.8	71.4	68.2	66.4
10.0 (8.5)	C	27,000	34,500	44,000	55,000	68,000	73,500
	P	10,100	11,400	12,900	14,600	16,400	17,300
	A	24.6	26.2	28.0	29.9	32.0	32.9
	M	155	198	253	319	395	429
	E	2.7	3.0	3.4	3.8	4.1	4.3
	%	70.9	69.3	66.8	62.5	56.6	53.7
5.0 (7.3)	C	30,000	38,000	48,000	60,000	74,000	80,000
	P	10,400	11,800	13,400	15,200	17,300	18,200
	A	25.0	26.6	28.5	30.5	32.7	33.6
	M	166	211	267	335	414	450
	E	2.9	3.2	3.6	4.0	4.3	4.4
	%	67.2	64.4	60.4	54.8	47.7	44.5

C: Capacidad (W), P: Potencia (W), A: Corriente (amperios), M: flujo de masa (gm/s), E: COP, %: isentrópica Eficiencia (%)

Nominal Performance Values (±5%) based on 72 hours run-in. Subject to change without notice. Current @ 400 V

Rating Conditions

18.3 °C Return Gas
0 K Subcooling
35 °C Ambient Air Over

50 Hz Operation

LOW TEMPERATURE

Blue Area Restrictions: Low Superheat and/or Demand Cooling. Refer to AFA-1287 for Details

6DJNF11ME-FSD

HFO-448A
DISCUS® COMPRESSOR
FSD 380/420-3-50

Condensing Temperature °C
(Sat. Dew Pt. Pressure, bar)

Evaporating Temperature °C (Sat. Dew Pt. Pressure, bar)

		-40.0 (1)	-37.0 (1.2)	-34.0 (1.3)	-32.0 (1.5)	-29.0 (1.7)	-26.0 (1.9)	-23.0 (2.2)	-21.0 (2.4)	-18.0 (2.7)
60.0 (27.2)	C		4,350	8,220	10,850	14,900	19,250	23,900	27,300	32,800
	P		14,550	15,600	16,500	18,000	19,800	21,700	23,100	25,200
	A		29.0	30.9	32.3	34.5	37.0	39.7	41.6	44.8
	M		32	60	80	110	142	177	203	245
	E		0.3	0.5	0.7	0.8	1.0	1.1	1.2	1.3
%		21.9	36.5	44.0	52.2	57.9	61.8	63.8	66.0	66.0
53.0 (23.1)	C	5,490	9,330	13,200	15,900	20,100	24,600	29,500	33,000	38,900
	P	13,650	14,350	15,350	16,200	17,700	19,350	21,100	22,300	24,200
	A	27.7	29.3	31.0	32.3	34.4	36.6	39.0	40.8	43.6
	M	37	62	88	106	135	165	199	224	264
	E	0.4	0.7	0.9	1.0	1.1	1.3	1.4	1.5	1.6
%	26.9	41.0	51.1	56.0	61.1	64.3	66.4	67.5	68.6	68.6
46.0 (19.4)	C	9,600	13,400	17,350	20,100	24,400	29,100	34,300	38,100	44,300
	P	13,150	13,900	14,900	15,700	17,100	18,600	20,200	21,300	23,000
	A	27.3	28.8	30.4	31.6	33.4	35.4	37.6	39.1	41.6
	M	59	83	107	124	151	181	213	237	277
	E	0.7	1.0	1.2	1.3	1.4	1.6	1.7	1.8	1.9
%	42.2	52.6	59.6	62.7	65.8	67.6	68.6	69.1	69.7	69.7
39.0 (16.3)	C	12,900	16,750	20,700	23,500	28,000	33,000	38,400	42,400	49,000
	P	12,550	13,300	14,300	15,050	16,350	17,700	19,150	20,100	21,400
	A	26.4	27.8	29.3	30.3	31.9	33.7	35.6	36.9	39.0
	M	74	96	119	135	162	191	223	247	286
	E	1.0	1.3	1.5	1.6	1.7	1.9	2.0	2.1	2.3
%	51.8	59.5	64.3	66.2	68.0	68.8	69.2	69.4	69.7	69.7
32.0 (13.6)	C	15,600	19,450	23,500	26,400	31,100	36,300	42,100	46,300	53,400
	P	11,800	12,550	13,500	14,200	15,400	16,600	17,850	18,600	19,700
	A	25.4	26.6	27.9	28.8	30.2	31.7	33.3	34.4	36.2
	M	84	105	127	143	168	197	229	252	292
	E	1.3	1.6	1.7	1.9	2.0	2.2	2.4	2.5	2.7
%	57.8	63.4	66.5	67.7	68.5	68.8	68.8	68.9	69.0	69.0
25.0 (11.2)	C	17,750	21,700	25,900	28,900	33,800	39,300	45,400	49,900	57,400
	P	10,950	11,700	12,600	13,300	14,300	15,400	16,400	17,000	17,800
	A	24.3	25.4	26.6	27.3	28.5	29.8	31.0	31.9	33.3
	M	90	110	132	147	172	201	233	256	296
	E	1.6	1.9	2.1	2.2	2.4	2.6	2.8	2.9	3.2
%	61.4	65.3	67.2	67.8	68.0	67.9	67.7	67.7	67.8	67.8
18.0 (9.1)	C	19,550	23,500	27,900	31,000	36,200	42,000	48,500	53,300	61,200
	P	10,100	10,800	11,650	12,250	13,150	14,000	14,800	15,250	15,800
	A	23.6	24.5	25.5	26.1	27.1	28.0	29.0	29.7	30.7
	M	94	113	135	150	175	204	236	259	299
	E	1.9	2.2	2.4	2.5	2.8	3.0	3.3	3.5	3.9
%	63.4	65.9	66.8	66.9	66.6	66.2	65.9	65.8	66.0	66.0
11.0 (7.4)	C	21,100	25,200	29,700	33,000	38,400	44,600	51,500	56,500	65,000
	P	9,160	9,850	10,600	11,150	11,900	12,600	13,150	13,400	13,600
	A	23.4	24.2	25.0	25.5	26.2	26.9	27.5	27.9	28.6
	M	97	116	137	152	177	206	238	262	302
	E	2.3	2.6	2.8	3.0	3.2	3.5	3.9	4.2	4.8
%	64.2	65.4	65.4	65.1	64.5	63.8	63.4	63.2	63.3	63.3
4.0 (5.9)	C	22,600	26,800	31,500	35,000	40,700	47,200	54,500	59,900	68,900
	P	8,250	8,910	9,590	10,050	10,650	11,100	11,400	11,500	11,400
	A	24.0	24.7	25.3	25.6	26.1	26.4	26.8	27.0	27.2
	M	99	118	138	154	179	208	241	265	306
	E	2.7	3.0	3.3	3.5	3.8	4.3	4.8	5.2	6.1
%	63.9	63.9	63.1	62.4	61.3	60.4	59.7	59.4	59.2	59.2

C: Capacidad (W), P: Potencia (W), A: Corriente (amperios), M: flujo de masa (gm/s), E: COP, %: isentrópica Eficiencia (%)

Nominal Performance Values (±5%) based on 72 hours run-in. Subject to change without notice. Current @ 400 V

Rating Conditions

18.3 °C Return Gas
0 K Subcooling
35 °C Ambient Air Over

50 Hz Operation

LOW TEMPERATURE

6DJNF11ME-FSD

HFC-404A
DISCUS® COMPRESSOR
FSD 380/420-3-50

HFCs Require Polyol Ester
Lubricant See Form 93-11

Condensing Temperature °C
(Sat. Dew Pt. Pressure, bar)

Evaporating Temperature °C (Sat. Dew Pt. Pressure, bar)

		-40.0 (1.3)	-35.0 (1.6)	-30.0 (2)	-25.0 (2.5)	-20.0 (3)	-18.0 (3.2)
54.0 (25.1)	C	10,300	15,400	20,800	26,800	33,500	36,500
	P	12,300	15,800	19,100	22,300	25,400	26,600
	A	27.7	32.3	37.1	41.8	46.7	48.6
	M	96	143	195	253	320	349
	E	0.8	1.0	1.1	1.2	1.3	1.4
	%	61.5	65.2	66.3	66.3	65.7	65.4
50.0 (23)	C	11,950	17,100	22,800	29,300	36,500	40,000
	P	12,800	15,900	19,000	21,900	24,800	26,000
	A	28.4	32.6	36.9	41.3	45.8	47.6
	M	104	150	201	259	326	355
	E	0.9	1.1	1.2	1.3	1.5	1.5
	%	62.4	65.1	66.0	66.0	65.6	65.3
40.0 (18.1)	C	16,100	21,600	28,100	35,500	44,500	48,500
	P	13,200	15,700	18,100	20,600	23,000	24,000
	A	28.9	32.2	35.6	39.2	42.9	44.4
	M	121	164	214	273	343	374
	E	1.2	1.4	1.6	1.7	1.9	2.0
	%	64.4	65.6	66.2	66.3	65.9	65.5
30.0 (14.1)	C	19,700	25,800	33,000	42,000	52,500	57,000
	P	12,800	14,800	16,800	18,700	20,800	21,600
	A	28.5	31.0	33.7	36.6	39.6	40.9
	M	132	174	225	286	360	393
	E	1.5	1.7	2.0	2.2	2.5	2.6
	%	65.0	65.8	66.4	66.4	65.6	65.0
20.0 (10.8)	C	22,500	29,200	37,500	48,000	60,000	65,500
	P	12,100	13,600	15,200	16,900	18,600	19,400
	A	27.8	29.7	31.8	34.1	36.6	37.7
	M	137	178	231	295	373	408
	E	1.9	2.1	2.5	2.8	3.2	3.4
	%	62.8	63.9	64.5	64.2	62.6	61.5
10.0 (8.2)	C	24,000	31,500	41,000	53,000	67,000	73,500
	P	11,400	12,500	13,800	15,200	16,800	17,500
	A	27.6	29.0	30.6	32.4	34.6	35.5
	M	134	177	231	298	381	418
	E	2.1	2.5	3.0	3.5	4.0	4.2
	%	56.2	57.8	58.5	57.6	54.6	52.9
5.0 (7)	C	24,200	32,000	42,000	55,000	70,000	77,000
	P	11,100	12,100	13,300	14,700	16,200	16,900
	A	27.9	29.0	30.5	32.1	34.1	34.9
	M	130	173	228	298	382	421
	E	2.2	2.6	3.2	3.7	4.3	4.6
	%	50.8	52.8	53.4	52.0	48.3	46.1

C: Capacidad (W), P: Potencia (W), A: Corriente (amperios), M: flujo de masa (gm/s), E: COP, %: isentrópica Eficiencia (%)

Nominal Performance Values (±5%) based on 72 hours run-in. Subject to change without notice. Current @ 400 V

Rating Conditions

18.3 °C Return Gas
0 K Subcooling
35 °C Ambient Air Over

50 Hz Operation

**LOW
TEMPERATURE**

6DJNF11ME-FSD

HFC-507
DISCUS® COMPRESSOR
FSD 380/420-3-50

HFCs Require Polyol Ester
Lubricant See Form 93-11

Condensing Temperature °C
(Sat. Dew Pt. Pressure, bar)

Evaporating Temperature °C (Sat. Dew Pt. Pressure, bar)

		-40.0 (1.4)	-35.0 (1.7)	-30.0 (2.1)	-25.0 (2.6)	-20.0 (3.1)	-18.0 (3.4)
54.0 (25.8)	C	10,600	15,800	21,400	27,600	34,500	37,500
	P	12,600	16,100	19,500	22,700	25,900	27,200
	A	28.3	33.0	37.8	42.7	47.6	49.6
	M	103	154	209	271	343	374
	E	0.8	1.0	1.1	1.2	1.3	1.4
	%	62.7	66.6	67.7	67.7	67.2	66.9
50.0 (23.6)	C	12,350	17,700	23,500	30,000	37,500	41,000
	P	13,000	16,300	19,400	22,400	25,300	26,500
	A	28.9	33.2	37.6	42.1	46.7	48.5
	M	111	160	214	276	348	380
	E	1.0	1.1	1.2	1.4	1.5	1.6
	%	63.5	66.2	67.1	67.2	66.8	66.5
40.0 (18.7)	C	16,500	22,300	28,900	36,500	46,000	50,000
	P	13,400	16,000	18,500	21,000	23,400	24,400
	A	29.5	32.8	36.4	40.0	43.8	45.3
	M	129	174	227	290	365	398
	E	1.2	1.4	1.6	1.8	2.0	2.0
	%	65.2	66.5	67.1	67.3	66.8	66.5
30.0 (14.6)	C	20,300	26,500	34,000	43,000	54,000	59,000
	P	13,100	15,100	17,100	19,100	21,200	22,100
	A	29.1	31.6	34.4	37.3	40.4	41.7
	M	140	184	238	303	381	417
	E	1.6	1.8	2.0	2.3	2.6	2.7
	%	65.6	66.5	67.1	67.1	66.3	65.7
20.0 (11.2)	C	23,200	30,000	38,500	49,000	62,000	67,500
	P	12,400	13,900	15,500	17,200	19,000	19,800
	A	28.4	30.3	32.4	34.8	37.3	38.4
	M	145	189	244	312	394	432
	E	1.9	2.2	2.5	2.9	3.3	3.4
	%	63.2	64.4	65.1	64.8	63.1	62.0
10.0 (8.5)	C	24,700	32,500	42,000	54,500	69,000	75,500
	P	11,600	12,800	14,100	15,500	17,200	17,900
	A	28.2	29.6	31.2	33.1	35.2	36.2
	M	142	186	244	315	402	441
	E	2.1	2.5	3.0	3.5	4.0	4.2
	%	56.5	58.2	58.9	58.0	55.0	53.3
5.0 (7.3)	C	24,900	33,000	43,500	56,500	72,000	79,000
	P	11,300	12,400	13,600	14,900	16,500	17,200
	A	28.5	29.6	31.1	32.8	34.8	35.6
	M	137	182	241	314	403	444
	E	2.2	2.7	3.2	3.8	4.4	4.6
	%	51.1	53.1	53.8	52.4	48.6	46.4

C: Capacidad (W), P: Potencia (W), A: Corriente (amperios), M: flujo de masa (gm/s), E: COP, %: isentrópica Eficiencia (%)

Nominal Performance Values (±5%) based on 72 hours run-in. Subject to change without notice. Current @ 400 V

Rating Conditions

18.3 °C Return Gas
0 K Subcooling
35 °C Ambient Air Over

50 Hz Operation

**LOW
TEMPERATURE**

HFCs Require Polyol Ester
Lubricant See Form 93-11

6DVNF13ME-TSE

HFC-404A
DISCUS® COMPRESSOR
TSE 500-3-50

Condensing Temperature °C
(Sat. Dew Pt. Pressure, bar)

Evaporating Temperature °C (Sat. Dew Pt. Pressure, bar)

		-40.0 (1.3)	-35.0 (1.6)	-30.0 (2)	-25.0 (2.5)	-20.0 (3)	-18.0 (3.2)
54.0 (25.1)	C	13,050	19,250	25,600	32,800	41,800	46,100
	P	15,450	19,700	23,900	27,900	31,800	33,300
	A	24.5	28.3	32.4	36.6	41.1	42.9
	M	121	180	240	310	399	442
	E	0.8	1.0	1.1	1.2	1.3	1.4
	%	62.1	65.5	65.2	64.8	65.6	66.3
50.0 (23)	C	15,000	21,700	28,400	36,000	45,400	49,900
	P	15,850	19,800	23,700	27,500	31,100	32,500
	A	24.9	28.5	32.3	36.3	40.5	42.3
	M	130	189	249	318	405	446
	E	1.0	1.1	1.2	1.3	1.5	1.5
	%	63.0	66.1	65.6	64.8	65.0	65.4
40.0 (18.1)	C	20,100	28,100	36,000	44,900	55,500	60,400
	P	16,300	19,550	22,700	25,900	29,000	30,100
	A	25.4	28.4	31.5	34.8	38.4	39.9
	M	152	213	274	343	428	467
	E	1.2	1.4	1.6	1.7	1.9	2.0
	%	65.1	68.4	67.7	66.2	65.2	65.0
30.0 (14.1)	C	24,600	34,100	43,600	53,900	66,000	71,500
	P	16,100	18,600	21,200	23,700	26,300	27,300
	A	25.1	27.4	29.9	32.7	35.6	36.8
	M	165	230	295	367	452	491
	E	1.5	1.8	2.1	2.3	2.5	2.6
	%	64.7	69.2	69.1	67.3	65.2	64.4
20.0 (10.8)	C	27,200	38,600	49,900	62,000	75,900	82,100
	P	15,400	17,300	19,250	21,300	23,300	24,200
	A	24.2	26.0	27.9	30.0	32.4	33.4
	M	166	236	306	383	471	511
	E	1.8	2.2	2.6	2.9	3.3	3.4
	%	59.7	66.5	67.6	65.9	63.0	61.7
10.0 (8.2)	C	26,900	40,400	53,900	68,100	84,000	91,000
	P	14,600	15,850	17,300	18,800	20,400	21,100
	A	23.1	24.3	25.6	27.1	28.9	29.7
	M	151	227	303	385	478	519
	E	1.8	2.6	3.1	3.6	4.1	4.3
	%	49.1	58.8	61.5	60.2	56.5	54.6
5.0 (7)	C	25,300	40,000	54,600	70,000	87,000	94,500
	P	14,250	15,200	16,350	17,650	19,050	19,650
	A	22.5	23.4	24.4	25.7	27.2	27.8
	M	136	216	296	381	476	518
	E	1.8	2.6	3.3	4.0	4.6	4.8
	%	41.7	52.7	56.3	55.2	51.1	48.8

C: Capacidad (W), P: Potencia (W), A: Corriente (amperios), M: flujo de masa (gm/s), E: COP, %: isentrópica Eficiencia (%)

Nominal Performance Values (±5%) based on 72 hours run-in. Subject to change without notice. Current @ 500 V

Rating Conditions

18.3 °C Return Gas
0 K Subcooling
35 °C Ambient Air Over

50 Hz Operation

**LOW
TEMPERATURE**

6DVNF13ME-TSE

HFC-404A
DISCUS® COMPRESSOR
TSE 500-3-50

HFCs Require Polyol Ester
Lubricant See Form 93-11

Condensing Temperature °C
(Sat. Dew Pt. Pressure, bar)

Evaporating Temperature °C (Sat. Dew Pt. Pressure, bar)

		-40.0 (1.3)	-35.0 (1.6)	-30.0 (2)	-25.0 (2.5)	-20.0 (3)	-18.0 (3.2)
54.0 (25.1)	C	13,050	19,250	25,600	32,800	41,800	46,100
	P	15,450	19,700	23,900	27,900	31,800	33,300
	A	24.5	28.3	32.4	36.6	41.1	42.9
	M	121	180	240	310	399	442
	E	0.8	1.0	1.1	1.2	1.3	1.4
	%	62.1	65.5	65.2	64.8	65.6	66.3
50.0 (23)	C	15,000	21,700	28,400	36,000	45,400	49,900
	P	15,850	19,800	23,700	27,500	31,100	32,500
	A	24.9	28.5	32.3	36.3	40.5	42.3
	M	130	189	249	318	405	446
	E	1.0	1.1	1.2	1.3	1.5	1.5
	%	63.0	66.1	65.6	64.8	65.0	65.4
40.0 (18.1)	C	20,100	28,100	36,000	44,900	55,500	60,400
	P	16,300	19,550	22,700	25,900	29,000	30,100
	A	25.4	28.4	31.5	34.8	38.4	39.9
	M	152	213	274	343	428	467
	E	1.2	1.4	1.6	1.7	1.9	2.0
	%	65.1	68.4	67.7	66.2	65.2	65.0
30.0 (14.1)	C	24,600	34,100	43,600	53,900	66,000	71,500
	P	16,100	18,600	21,200	23,700	26,300	27,300
	A	25.1	27.4	29.9	32.7	35.6	36.8
	M	165	230	295	367	452	491
	E	1.5	1.8	2.1	2.3	2.5	2.6
	%	64.7	69.2	69.1	67.3	65.2	64.4
20.0 (10.8)	C	27,200	38,600	49,900	62,000	75,900	82,100
	P	15,400	17,300	19,250	21,300	23,300	24,200
	A	24.2	26.0	27.9	30.0	32.4	33.4
	M	166	236	306	383	471	511
	E	1.8	2.2	2.6	2.9	3.3	3.4
	%	59.7	66.5	67.6	65.9	63.0	61.7
10.0 (8.2)	C	26,900	40,400	53,900	68,100	84,000	91,000
	P	14,600	15,850	17,300	18,800	20,400	21,100
	A	23.1	24.3	25.6	27.1	28.9	29.7
	M	151	227	303	385	478	519
	E	1.8	2.6	3.1	3.6	4.1	4.3
	%	49.1	58.8	61.5	60.2	56.5	54.6
5.0 (7)	C	25,300	40,000	54,600	70,000	87,000	94,500
	P	14,250	15,200	16,350	17,650	19,050	19,650
	A	22.5	23.4	24.4	25.7	27.2	27.8
	M	136	216	296	381	476	518
	E	1.8	2.6	3.3	4.0	4.6	4.8
	%	41.7	52.7	56.3	55.2	51.1	48.8

C: Capacidad (W), P: Potencia (W), A: Corriente (amperios), M: flujo de masa (gm/s), E: COP, %: isentrópica Eficiencia (%)

Nominal Performance Values (±5%) based on 72 hours run-in. Subject to change without notice. Current @ 500 V

Rating Conditions

18.3 °C Return Gas
0 K Subcooling
35 °C Ambient Air Over

50 Hz Operation

LOW TEMPERATURE

Blue Area Restrictions: Low Superheat and/or Demand Cooling.
Refer to AFA-1287 for Details

6DVNF13ME-TSE

HFO-448A
DISCUS® COMPRESSOR
TSE 500-3-50

Condensing Temperature °C
(Sat. Dew Pt. Pressure, bar)

Evaporating Temperature °C (Sat. Dew Pt. Pressure, bar)

		-40.0 (1)	-37.0 (1.2)	-34.0 (1.3)	-32.0 (1.5)	-29.0 (1.7)	-26.0 (1.9)	-23.0 (2.2)	-21.0 (2.4)	-18.0 (2.7)
60.0 (27.2)	C		5,610	10,400	13,800	19,150	24,700	30,400	34,300	40,000
	P		14,800	17,100	18,700	21,200	23,600	26,200	27,800	30,300
	A		23.2	25.7	27.4	30.1	32.9	35.8	37.8	41.0
	M		41	76	102	141	183	226	255	299
	E		0.4	0.6	0.7	0.9	1.1	1.2	1.2	1.3
	%		27.8	42.2	49.3	57.2	62.3	65.4	66.5	67.1
53.0 (23.1)	C	7,430	11,400	15,950	19,200	24,400	29,900	35,700	39,600	45,500
	P	13,450	15,400	17,450	18,850	21,000	23,200	25,400	26,900	29,000
	A	21.7	23.8	26.0	27.5	29.8	32.3	34.9	36.7	39.5
	M	49	76	106	128	164	201	241	268	309
	E	0.6	0.7	0.9	1.0	1.2	1.3	1.4	1.5	1.6
	%	36.9	46.7	54.2	58.1	62.4	65.2	66.8	67.2	67.1
46.0 (19.4)	C	12,450	16,150	20,500	23,600	28,800	34,400	40,300	44,300	50,600
	P	13,800	15,500	17,300	18,550	20,400	22,300	24,300	25,500	27,400
	A	21.7	23.5	25.4	26.7	28.8	31.0	33.2	34.8	37.3
	M	76	99	126	146	178	213	251	277	317
	E	0.9	1.0	1.2	1.3	1.4	1.5	1.7	1.7	1.9
	%	52.1	56.7	60.5	62.6	65.0	66.5	67.2	67.2	66.7
39.0 (16.3)	C	16,450	19,950	24,200	27,400	32,600	38,300	44,500	48,800	55,400
	P	13,750	15,200	16,800	17,850	19,500	21,200	22,800	23,900	25,500
	A	21.1	22.7	24.3	25.5	27.3	29.1	31.1	32.5	34.6
	M	94	114	139	157	188	221	258	283	323
	E	1.2	1.3	1.4	1.5	1.7	1.8	2.0	2.0	2.2
	%	60.3	61.9	63.8	64.9	66.1	66.9	67.1	66.9	66.2
32.0 (13.6)	C	19,600	23,100	27,300	30,500	35,900	41,900	48,400	53,000	60,200
	P	13,300	14,600	15,950	16,900	18,350	19,750	21,200	22,100	23,500
	A	20.2	21.5	22.9	23.9	25.5	27.1	28.8	30.0	31.8
	M	105	124	147	165	194	227	263	289	329
	E	1.5	1.6	1.7	1.8	2.0	2.1	2.3	2.4	2.6
	%	64.5	64.6	65.3	65.8	66.5	66.8	66.6	66.3	65.4
25.0 (11.2)	C	22,100	25,600	30,000	33,300	39,000	45,300	52,300	57,200	65,000
	P	12,600	13,750	14,900	15,700	16,950	18,200	19,400	20,200	21,300
	A	19.2	20.3	21.5	22.4	23.7	25.1	26.5	27.5	29.1
	M	112	130	152	170	199	232	268	294	335
	E	1.8	1.9	2.0	2.1	2.3	2.5	2.7	2.8	3.1
	%	66.7	65.9	65.9	66.0	66.3	66.3	65.9	65.4	64.3
18.0 (9.1)	C	24,200	27,800	32,400	35,900	42,000	48,800	56,300	61,700	70,200
	P	11,700	12,700	13,700	14,400	15,450	16,550	17,550	18,200	19,150
	A	18.4	19.3	20.3	21.0	22.1	23.3	24.5	25.4	26.7
	M	117	134	156	174	203	237	274	300	343
	E	2.1	2.2	2.4	2.5	2.7	3.0	3.2	3.4	3.7
	%	67.6	66.3	65.8	65.8	65.6	65.3	64.6	63.9	62.4
11.0 (7.4)	C	26,000	29,800	34,700	38,500	45,000	52,400	60,600	66,500	75,800
	P	10,700	11,550	12,450	13,050	13,950	14,850	15,750	16,250	17,000
	A	18.0	18.8	19.7	20.2	21.1	22.1	23.1	23.8	25.0
	M	119	137	160	177	208	242	280	308	352
	E	2.4	2.6	2.8	3.0	3.2	3.5	3.9	4.1	4.5
	%	67.8	66.1	65.3	64.9	64.4	63.6	62.4	61.3	59.1
4.0 (5.9)	C	27,700	31,800	37,200	41,300	48,400	56,500	65,400	71,800	82,100
	P	9,620	10,350	11,150	11,700	12,500	13,250	14,000	14,450	15,050
	A	18.4	19.0	19.7	20.2	20.9	21.7	22.5	23.1	24.0
	M	121	140	163	182	213	249	289	318	364
	E	2.9	3.1	3.3	3.5	3.9	4.3	4.7	5.0	5.5
	%	67.3	65.2	63.9	63.2	62.0	60.5	58.4	56.7	53.5

C: Capacidad (W), P: Potencia (W), A: Corriente (amperios), M: flujo de masa (gm/s), E: COP, %: isentrópica Eficiencia (%)

Nominal Performance Values (±5%) based on 72 hours run-in. Subject to change without notice. Current @ 500 V

Rating Conditions

18.3 °C Return Gas
0 K Subcooling
35 °C Ambient Air Over

50 Hz Operation

LOW TEMPERATURE

Blue Area Restrictions: Low Superheat and/or Demand Cooling.
Refer to AFA-1287 for Details

6DVNF13ME-TSE

HFO-449A
DISCUS® COMPRESSOR
TSE 500-3-50

Condensing Temperature °C
(Sat. Dew Pt. Pressure, bar)

Evaporating Temperature °C (Sat. Dew Pt. Pressure, bar)

		-40.0 (1)	-37.0 (1.2)	-34.0 (1.3)	-32.0 (1.5)	-29.0 (1.7)	-26.0 (1.9)	-23.0 (2.2)	-21.0 (2.4)	-18.0 (2.7)
60.0 (27)	C		5,610	10,400	13,800	19,150	24,700	30,400	34,300	40,000
	P		14,800	17,100	18,700	21,200	23,600	26,200	27,800	30,300
	A		23.2	25.7	27.4	30.1	32.9	35.8	37.8	41.0
	M		42	78	103	144	186	230	260	304
	E		0.4	0.6	0.7	0.9	1.1	1.2	1.2	1.3
%		27.8	42.2	49.4	57.2	62.3	65.4	66.5	67.2	67.2
53.0 (22.9)	C	7,430	11,400	15,950	19,200	24,400	29,900	35,700	39,600	45,500
	P	13,450	15,400	17,450	18,850	21,000	23,200	25,400	26,900	29,000
	A	21.7	23.8	26.0	27.5	29.8	32.3	34.9	36.7	39.5
	M	50	77	108	131	166	205	245	272	315
	E	0.6	0.7	0.9	1.0	1.2	1.3	1.4	1.5	1.6
%	36.8	46.7	54.2	58.1	62.4	65.2	66.7	67.2	67.1	
46.0 (19.3)	C	12,450	16,150	20,500	23,600	28,800	34,400	40,300	44,300	50,600
	P	13,800	15,500	17,300	18,550	20,400	22,300	24,300	25,500	27,400
	A	21.7	23.5	25.4	26.7	28.8	31.0	33.2	34.8	37.3
	M	78	101	128	148	181	217	255	281	322
	E	0.9	1.0	1.2	1.3	1.4	1.5	1.7	1.7	1.9
%	52.0	56.6	60.4	62.5	64.9	66.4	67.1	67.2	66.7	
39.0 (16.2)	C	16,450	19,950	24,200	27,400	32,600	38,300	44,500	48,800	55,400
	P	13,750	15,200	16,800	17,850	19,500	21,200	22,800	23,900	25,500
	A	21.1	22.7	24.3	25.5	27.3	29.1	31.1	32.5	34.6
	M	95	116	141	160	191	225	261	287	328
	E	1.2	1.3	1.4	1.5	1.7	1.8	2.0	2.0	2.2
%	60.1	61.8	63.6	64.7	66.0	66.8	67.0	66.8	66.1	
32.0 (13.5)	C	19,600	23,100	27,300	30,500	35,900	41,900	48,400	53,000	60,200
	P	13,300	14,600	15,950	16,900	18,350	19,750	21,200	22,100	23,500
	A	20.2	21.5	22.9	23.9	25.5	27.1	28.8	30.0	31.8
	M	107	126	149	167	197	230	267	293	333
	E	1.5	1.6	1.7	1.8	2.0	2.1	2.3	2.4	2.6
%	64.3	64.4	65.1	65.6	66.3	66.6	66.5	66.1	65.3	
25.0 (11.1)	C	22,100	25,600	30,000	33,300	39,000	45,300	52,300	57,200	65,000
	P	12,600	13,750	14,900	15,700	16,950	18,200	19,400	20,200	21,300
	A	19.2	20.3	21.5	22.4	23.7	25.1	26.5	27.5	29.1
	M	114	132	154	172	202	235	272	298	339
	E	1.8	1.9	2.0	2.1	2.3	2.5	2.7	2.8	3.1
%	66.4	65.6	65.6	65.8	66.1	66.1	65.7	65.2	64.1	
18.0 (9.1)	C	24,200	27,800	32,400	35,900	42,000	48,800	56,300	61,700	70,200
	P	11,700	12,700	13,700	14,400	15,450	16,550	17,550	18,200	19,150
	A	18.4	19.3	20.3	21.0	22.1	23.3	24.5	25.4	26.7
	M	118	136	158	176	206	240	277	304	347
	E	2.1	2.2	2.4	2.5	2.7	3.0	3.2	3.4	3.7
%	67.4	66.0	65.6	65.5	65.4	65.1	64.4	63.7	62.2	
11.0 (7.4)	C	26,000	29,800	34,700	38,500	45,000	52,400	60,600	66,500	75,800
	P	10,700	11,550	12,450	13,050	13,950	14,850	15,750	16,250	17,000
	A	18.0	18.8	19.7	20.2	21.1	22.1	23.1	23.8	25.0
	M	121	138	161	179	210	245	284	312	356
	E	2.4	2.6	2.8	3.0	3.2	3.5	3.9	4.1	4.5
%	67.5	65.8	65.0	64.7	64.2	63.4	62.2	61.1	59.0	
4.0 (5.9)	C	27,700	31,800	37,200	41,300	48,400	56,500	65,400	71,800	82,100
	P	9,620	10,350	11,150	11,700	12,500	13,250	14,000	14,450	15,050
	A	18.4	19.0	19.7	20.2	20.9	21.7	22.5	23.1	24.0
	M	123	141	165	184	216	252	292	322	368
	E	2.9	3.1	3.3	3.5	3.9	4.3	4.7	5.0	5.5
%	67.0	64.9	63.6	62.9	61.8	60.3	58.2	56.5	53.3	

C: Capacidad (W), P: Potencia (W), A: Corriente (amperios), M: flujo de masa (gm/s), E: COP, %: isentrópica Eficiencia (%)

Nominal Performance Values (±5%) based on 72 hours run-in. Subject to change without notice. Current @ 500 V

Rating Conditions

18.3 °C Return Gas
0 K Subcooling
35 °C Ambient Air Over

50 Hz Operation

LOW TEMPERATURE

6DVNF13ME-TSE

HFC-507
DISCUS® COMPRESSOR
TSE 500-3-50

HFCs Require Polyol Ester
Lubricant See Form 93-11

Condensing Temperature °C
(Sat. Dew Pt. Pressure, bar)

Evaporating Temperature °C (Sat. Dew Pt. Pressure, bar)

		-40.0 (1.4)	-35.0 (1.7)	-30.0 (2.1)	-25.0 (2.6)	-20.0 (3.1)	-18.0 (3.4)
54.0 (25.8)	C	15,650	23,100	30,700	39,300	50,200	55,400
	P	18,550	23,600	28,600	33,500	38,100	39,900
	A	29.6	34.3	39.2	44.3	49.7	52.0
	M	151	224	300	387	498	552
	E	0.8	1.0	1.1	1.2	1.3	1.4
	%	62.7	66.2	65.9	65.6	66.4	67.1
50.0 (23.6)	C	18,000	26,000	34,100	43,200	54,500	59,900
	P	19,050	23,800	28,400	33,000	37,300	39,000
	A	30.2	34.5	39.1	43.9	49.0	51.1
	M	162	235	310	396	504	555
	E	1.0	1.1	1.2	1.3	1.5	1.5
	%	63.4	66.6	66.1	65.4	65.6	66.1
40.0 (18.7)	C	24,200	33,700	43,200	53,800	66,600	72,500
	P	19,600	23,400	27,300	31,100	34,700	36,200
	A	30.7	34.3	38.1	42.2	46.5	48.3
	M	188	263	339	425	530	579
	E	1.2	1.4	1.6	1.7	1.9	2.0
	%	65.3	68.6	67.9	66.5	65.5	65.2
30.0 (14.6)	C	29,500	40,900	52,300	64,700	79,200	85,800
	P	19,300	22,300	25,400	28,500	31,500	32,700
	A	30.4	33.2	36.2	39.5	43.1	44.6
	M	204	284	364	453	558	607
	E	1.5	1.8	2.1	2.3	2.5	2.6
	%	64.7	69.2	69.1	67.4	65.3	64.5
20.0 (11.2)	C	32,700	46,300	59,900	74,400	91,000	98,500
	P	18,500	20,800	23,100	25,600	28,000	29,000
	A	29.3	31.5	33.8	36.3	39.2	40.4
	M	204	290	377	471	580	629
	E	1.8	2.2	2.6	2.9	3.3	3.4
	%	59.6	66.4	67.5	65.8	63.0	61.6
10.0 (8.5)	C	32,300	48,500	64,600	81,700	101,000	109,000
	P	17,550	19,050	20,700	22,600	24,500	25,300
	A	28.0	29.4	31.0	32.8	35.0	35.9
	M	185	279	373	474	587	638
	E	1.8	2.6	3.1	3.6	4.1	4.3
	%	48.9	58.6	61.3	60.0	56.4	54.5
5.0 (7.3)	C	30,400	48,000	65,500	84,000	104,500	113,500
	P	17,100	18,250	19,600	21,200	22,900	23,600
	A	27.3	28.3	29.6	31.1	32.9	33.7
	M	168	265	363	468	585	636
	E	1.8	2.6	3.3	4.0	4.6	4.8
	%	41.5	52.5	56.1	55.0	50.9	48.7

C: Capacidad (W), P: Potencia (W), A: Corriente (amperios), M: flujo de masa (gm/s), E: COP, %: isentrópica Eficiencia (%)

Nominal Performance Values (±5%) based on 72 hours run-in. Subject to change without notice. Current @ 500 V

Rating Conditions

18.3 °C Return Gas
0 K Subcooling
35 °C Ambient Air Over

50 Hz Operation

LOW TEMPERATURE

Blue Area Restrictions: Low Superheat and/or Demand Cooling.
Refer to AFA-1287 for Details

6DJNF11ME-FSD

HFO-449A
DISCUS® COMPRESSOR
FSD 380/420-3-50

Condensing Temperature °C
(Sat. Dew Pt. Pressure, bar)

Evaporating Temperature °C (Sat. Dew Pt. Pressure, bar)

		-40.0 (1)	-37.0 (1.2)	-34.0 (1.3)	-32.0 (1.5)	-29.0 (1.7)	-26.0 (1.9)	-23.0 (2.2)	-21.0 (2.4)	-18.0 (2.7)
60.0 (27)	C		4,350	8,220	10,850	14,900	19,250	23,900	27,300	32,800
	P		14,550	15,600	16,500	18,000	19,800	21,700	23,100	25,200
	A		29.0	30.9	32.3	34.5	37.0	39.7	41.6	44.8
	M		32	61	81	112	145	181	207	249
	E		0.3	0.5	0.7	0.8	1.0	1.1	1.2	1.3
%		21.9	36.6	44.0	52.3	57.9	61.9	63.8	66.1	
53.0 (22.9)	C	5,490	9,330	13,200	15,900	20,100	24,600	29,500	33,000	38,900
	P	13,650	14,350	15,350	16,200	17,700	19,350	21,100	22,300	24,200
	A	27.7	29.3	31.0	32.3	34.4	36.6	39.0	40.8	43.6
	M	37	63	90	108	137	168	202	227	268
	E	0.4	0.7	0.9	1.0	1.1	1.3	1.4	1.5	1.6
%	26.9	41.0	51.1	55.9	61.0	64.3	66.4	67.4	68.6	
46.0 (19.3)	C	9,600	13,400	17,350	20,100	24,400	29,100	34,300	38,100	44,300
	P	13,150	13,900	14,900	15,700	17,100	18,600	20,200	21,300	23,000
	A	27.3	28.8	30.4	31.6	33.4	35.4	37.6	39.1	41.6
	M	60	84	109	126	153	183	217	241	281
	E	0.7	1.0	1.2	1.3	1.4	1.6	1.7	1.8	1.9
%	42.1	52.5	59.5	62.6	65.7	67.5	68.5	69.0	69.6	
39.0 (16.2)	C	12,900	16,750	20,700	23,500	28,000	33,000	38,400	42,400	49,000
	P	12,550	13,300	14,300	15,050	16,350	17,700	19,150	20,100	21,400
	A	26.4	27.8	29.3	30.3	31.9	33.7	35.6	36.9	39.0
	M	75	97	121	137	164	193	226	250	290
	E	1.0	1.3	1.5	1.6	1.7	1.9	2.0	2.1	2.3
%	51.7	59.3	64.1	66.1	67.8	68.7	69.1	69.3	69.6	
32.0 (13.5)	C	15,600	19,450	23,500	26,400	31,100	36,300	42,100	46,300	53,400
	P	11,800	12,550	13,500	14,200	15,400	16,600	17,850	18,600	19,700
	A	25.4	26.6	27.9	28.8	30.2	31.7	33.3	34.4	36.2
	M	85	106	129	145	171	200	232	256	296
	E	1.3	1.6	1.7	1.9	2.0	2.2	2.4	2.5	2.7
%	57.6	63.2	66.3	67.5	68.4	68.6	68.7	68.7	68.9	
25.0 (11.1)	C	17,750	21,700	25,900	28,900	33,800	39,300	45,400	49,900	57,400
	P	10,950	11,700	12,600	13,300	14,300	15,400	16,400	17,000	17,800
	A	24.3	25.4	26.6	27.3	28.5	29.8	31.0	31.9	33.3
	M	91	111	133	149	175	203	236	260	299
	E	1.6	1.9	2.1	2.2	2.4	2.6	2.8	2.9	3.2
%	61.2	65.1	67.0	67.6	67.8	67.7	67.5	67.5	67.6	
18.0 (9.1)	C	19,550	23,500	27,900	31,000	36,200	42,000	48,500	53,300	61,200
	P	10,100	10,800	11,650	12,250	13,150	14,000	14,800	15,250	15,800
	A	23.6	24.5	25.5	26.1	27.1	28.0	29.0	29.7	30.7
	M	95	115	136	152	177	206	239	263	303
	E	1.9	2.2	2.4	2.5	2.8	3.0	3.3	3.5	3.9
%	63.1	65.6	66.5	66.6	66.4	66.0	65.7	65.6	65.8	
11.0 (7.4)	C	21,100	25,200	29,700	33,000	38,400	44,600	51,500	56,500	65,000
	P	9,160	9,850	10,600	11,150	11,900	12,600	13,150	13,400	13,600
	A	23.4	24.2	25.0	25.5	26.2	26.9	27.5	27.9	28.6
	M	98	117	138	154	179	208	241	265	306
	E	2.3	2.6	2.8	3.0	3.2	3.5	3.9	4.2	4.8
%	63.9	65.1	65.2	64.9	64.2	63.6	63.1	63.0	63.1	
4.0 (5.9)	C	22,600	26,800	31,500	35,000	40,700	47,200	54,500	59,900	68,900
	P	8,250	8,910	9,590	10,050	10,650	11,100	11,400	11,500	11,400
	A	24.0	24.7	25.3	25.6	26.1	26.4	26.8	27.0	27.2
	M	100	119	140	156	181	211	244	268	309
	E	2.7	3.0	3.3	3.5	3.8	4.3	4.8	5.2	6.1
%	63.6	63.6	62.9	62.2	61.1	60.1	59.4	59.2	59.0	

C: Capacidad (W), P: Potencia (W), A: Corriente (amperios), M: flujo de masa (gm/s), E: COP, %: isentrópica Eficiencia (%)

Nominal Performance Values (±5%) based on 72 hours run-in. Subject to change without notice. Current @ 400 V

4DHNF63KE-FSD-XXX

380/420 Volts, 50 Hz, 3 Phase
R-448A, Dew-Point, Low Temp, Low Condensing
(Discus)

Resumen



Eléctrico

Voltaje Medio	Ato Voltaje	Fase	Frecuencia	RPM		
380	420	3	50	0		
Corriente Continua Máxima - CCM (Amps.)	Corriente Operativa Máxima (Amps.)	Amperes de Carga Asignada - RLA		Amperes de Rotor Trabado - LRA		
		<small>Cant. Corr. Máx. / 1.4 Usar Para Selección de Contalista</small>	<small>Cant. Corr. Máx. / 1.56 Usar para Selección de Medida de Interruptor y Cable</small>	Bajo	Altura	Medio Bobinado
34.3		24.5	22.0		136.0	81.6

Mecánico

Dimensiones Generales			Dimensiones de Montaje			Conexión de Succión		Conexión de Descarga	
Largo (mm)	Ancho (mm)	Alto (mm)	Largo (mm)	Ancho (mm)	Alto (mm)	Medida (pulg.)	Tipo	Medida (mm)	Tipo
703.07	520.45	567.94	381.00	304.80	600.96	1.625	SW	1.625	SW

Desplazamiento

N° de Cilindros	Calibre (mm)	Recorrido (mm)	Desplazamiento (cm ³ /Revolución)	Desplazamiento (m ³ /hr)	Caballaje (HP)	Plano	Peso (kg)
4	68.28	56.01	820.21	71.35	10	497-0959-00	224.53
Tipo de Aceite	Carga Inicial (litro)	Recarga (litro)	Información de Agencia				
			Nro. Archivo UL	Fecha Archivo UL	N° Archivo CSA		
POE	3.4	3.11					

Sonido y Vibración

Nivel Promedio de Intensidad de Sonido (dBA)	Nivel Máximo de Intensidad del Sonido (dBA)	Vibración Promedio Pico-Pico (mm)	Vibración Máxima Pico-Pico (mm)	Impulso de Descarga Promedio Pico-Pico (bar.)	Impulso de Descarga Máxima Pico-Pico (bar.)
			0.093	1	1

4DHNF63KE-FSD-XXX

380/420 Volts, 50 Hz, 3 Phase
R-449A, Dew-Point, Low Temp, Low Condensing
(Discus)

Resumen



Eléctrico

Voltaje Medio	Ato Voltaje	Fase	Frecuencia	RPM		
380	420	3	50	0		
Corriente Continua Máxima - CCM (Amps.)	Corriente Operativa Máxima (Amps.)	Amperes de Carga Asignada - RLA		Amperes de Rotor Trabado - LRA		
		<small>Cant. Corr. Máx. / 1.4 Usar Para Selección de Contalista</small>	<small>Cant. Corr. Máx. / 1.56 Usar para Selección de Medida de Interruptor y Cable</small>	Bajo	Altura	Medio Bobinado
34.3		24.5	22.0		136.0	81.6

Mecánico

Dimensiones Generales			Dimensiones de Montaje			Conexión de Succión		Conexión de Descarga	
Largo (mm)	Ancho (mm)	Alto (mm)	Largo (mm)	Ancho (mm)	Alto (mm)	Medida (pulg.)	Tipo	Medida (mm)	Tipo
703.07	520.45	567.94	381.00	304.80	600.96	1.625	SW	1.625	SW

Desplazamiento

N° de Cilindros	Calibre (mm)	Recorrido (mm)	Desplazamiento (cm ³ /Revolución)	Desplazamiento (m ³ /hr)	Caballaje (HP)	Plano	Peso (kg)
4	68.28	56.01	820.21	71.35	10	497-0959-00	224.53
Tipo de Aceite	Carga Inicial (litro)	Recarga (litro)	Información de Agencia				
			Nro. Archivo UL	Fecha Archivo UL	N° Archivo CSA		
POE	3.4	3.11					

Sonido y Vibración

Nivel Promedio de Intensidad de Sonido (dBA)	Nivel Máximo de Intensidad del Sonido (dBA)	Vibración Promedio Pico-Pico (mm)	Vibración Máxima Pico-Pico (mm)	Impulso de Descarga Promedio Pico-Pico (bar.)	Impulso de Descarga Máxima Pico-Pico (bar.)
			0.093	1	1

*Compresores Semiherméticos
Media Temperatura*



E/L/K/H



2D



3D



4D



6D



8D

Rating Conditions

18.3 °C Return Gas
0 K Subcooling
35 °C Ambient Air Over

50 Hz Operation

**MEDIUM
TEMPERATURE**

HFCs Require Use of Polyol Ester
Lubricant Approved on Form 93-11

4DHNR22ME-FSD

HFC-404A
DISCUS® COMPRESSOR
FSD 380/420-3-50

Condensing Temperature °C
(Sat. Dew Pt. Pressure, bar)

Evaporating Temperature °C (Sat. Dew Pt. Pressure, bar)

		-20.0 (3)	-15.0 (3.6)	-10.0 (4.3)	-5.0 (5.1)	0.0 (6)	5.0 (7)	7.0 (7.5)
60.0 (28.7)	C	16,200	20,300	25,500	31,500	38,000	44,500	47,500
	P	14,400	15,900	17,500	19,100	20,700	22,200	22,800
	A	29.5	31.2	33.3	35.7	38.1	40.5	41.4
	M	175	222	282	353	435	525	564
	E	1.1	1.3	1.5	1.6	1.8	2.0	2.1
	%	67.7	69.4	71.3	72.3	72.1	70.4	69.4
50.0 (23)	C	21,100	26,100	32,500	39,500	47,500	56,000	59,500
	P	13,600	14,900	16,300	17,600	18,800	19,900	20,300
	A	28.3	30.1	31.9	33.8	35.6	37.1	37.7
	M	188	235	295	366	446	536	575
	E	1.6	1.8	2.0	2.3	2.5	2.8	2.9
	%	69.1	69.9	70.8	71.0	70.0	67.7	66.5
40.0 (18.1)	C	25,700	32,000	39,500	48,500	58,000	68,500	73,000
	P	12,600	13,800	14,800	15,800	16,700	17,300	17,500
	A	27.2	28.6	30.1	31.3	32.3	32.8	32.9
	M	198	249	311	384	468	561	601
	E	2.0	2.3	2.7	3.1	3.5	4.0	4.2
	%	69.4	69.9	70.5	70.2	68.6	65.7	64.1
30.0 (14.1)	C	30,500	38,500	47,500	58,000	69,500	82,000	87,500
	P	11,600	12,400	13,200	13,700	14,100	14,300	14,300
	A	26.0	27.1	27.9	28.3	28.3	27.6	27.2
	M	211	265	331	408	496	594	636
	E	2.7	3.1	3.6	4.2	4.9	5.7	6.1
	%	69.1	69.7	69.9	68.9	66.5	62.3	60.0
20.0 (10.8)	C	36,500	45,500	56,500	69,000	83,000	97,500	
	P	10,300	10,900	11,200	11,400	11,300	10,900	
	A	24.9	25.4	25.4	24.8	23.6	21.5	
	M	226	285	356	439	532	635	
	E	3.5	4.2	5.0	6.1	7.3	8.9	
	%	68.5	68.8	68.2	66.0	61.5	54.2	
10.0 (8.2)	C	43,500	54,500	67,500	82,000	98,000		
	P	9,000	9,150	9,050	8,750	8,100		
	A	24.0	23.6	22.7	20.9	18.3		
	M	247	311	388	476	575		
	E	4.8	6.0	7.4	9.4	12.1		
	%	66.6	65.8	63.3	57.8	47.9		

C: Capacidad (W), P: Potencia (W), A: Corriente (amperios), M: flujo de masa (gm/s), E: COP, %: isentrópica Eficiencia (%)

Nominal Performance Values (±5%) based on 72 hours run-in. Subject to change without notice. Current @ 400 V

4DHNR22ME-FSD-XXX

380/420 Volts, 50 Hz, 3 Phase
R-404A, Mid-Point, Medium Temp, Low Condensing

Resumen



Eléctrico

Voltaje Medio	Ato Voltaje	Fase	Frecuencia	RPM		
380	420	3	50	0		
Corriente Continua Máxima - CCM (Amps.)	Corriente Operativa Máxima (Amps.)	Amperes de Carga Asignada - RLA		Amperes de Rotor Trabado - LRA		
		Cant. Corr. Máx. / 1,4 Usar Para Selección de Contactista	Cant. Corr. Máx. / 1,56 Usar para Selección de Medida de Interruptor y Cable	Bajo	Alto	Medio Bobinado
56		40.0	35.9		206.0	132.0

Mecánico

Dimensiones Generales			Dimensiones de Montaje			Conexión de Succión		Conexión de Descarga	
Largo (mm)	Ancho (mm)	Alto (mm)	Largo (mm)	Ancho (mm)	Alto (mm)	Medida (pulg.)	Tipo	Medida (mm)	Tipo
666,75	518,67	465,58	381,00	304,80	488,19	2,125	SW	2,125	SW

Desplazamiento

N° de Cilindros	Calibre (mm)	Recorrido (mm)	Desplazamiento (cm³/Revolución)	Desplazamiento (m³/hr)	Caballaje (HP)	Plano	Peso (kg)
4	68,28	56,01	820,21	71,35	15	497-0958-00	204,12
Tipo de Aceite	Carga Inicial (litro)	Recarga (litro)	Información de Agencia				
			Nro. Archivo UL	Fecha Archivo UL	N° Archivo CSA		
POE	3,4	3,11					

Sonido y Vibración

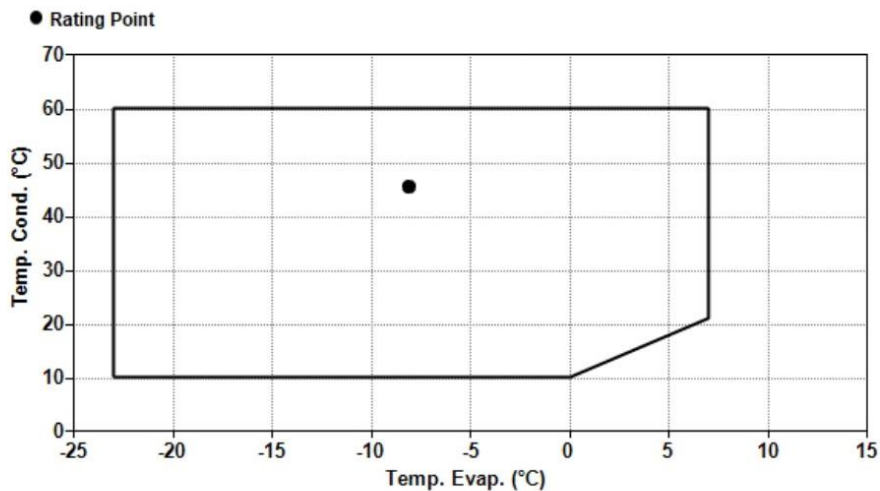
Nivel Promedio de Intensidad de Sonido (dBA)	Nivel Máximo de Intensidad del Sonido (dBA)	Vibración Promedio Pico-Pico (mm)	Vibración Máxima Pico-Pico (mm)	Impulso de Descarga Promedio Pico-Pico (bar.)	Impulso de Descarga Máxima Pico-Pico (bar.)
			0,093	1	1

Emerson Climate Technologies

January 24, 2023

Marco Operativo

Marco Operativo: 4DHNR22ME-FSD (HFC-404A)



Rating Conditions

18.3 °C Return Gas
0 K Subcooling
35 °C Ambient Air Over

50 Hz Operation

**MEDIUM
TEMPERATURE**

HFCs Require Use of Polyol Ester
Lubricant Approved on Form 93-11

6DGNR37ME-FSD

HFC-404A
DISCUS® COMPRESSOR
FSD 380/420-3-50

Condensing Temperature °C
(Sat. Dew Pt. Pressure, bar)

Evaporating Temperature °C (Sat. Dew Pt. Pressure, bar)

		-20.0 (3)	-15.0 (3.6)	-10.0 (4.3)	-5.0 (5.1)	0.0 (6)	5.0 (7)	7.0 (7.5)
60.0 (28.7)	C	27,000	33,500	41,000	49,500	59,500	71,500	76,500
	P	23,200	26,100	29,000	31,900	34,500	36,900	37,700
	A	44.9	49.0	53.2	57.5	61.6	65.4	66.8
	M	292	368	455	560	686	839	910
	E	1.2	1.3	1.4	1.6	1.7	1.9	2.0
	%	69.8	69.9	69.4	68.7	68.1	67.6	67.5
50.0 (23)	C	34,500	43,000	52,500	64,000	77,000	92,500	99,000
	P	22,100	24,500	26,900	29,100	31,100	32,700	33,300
	A	43.3	46.7	50.1	53.4	56.4	58.9	59.8
	M	308	387	480	590	723	883	955
	E	1.6	1.8	2.0	2.2	2.5	2.8	3.0
	%	69.7	69.9	69.7	69.2	68.6	67.9	67.5
40.0 (18.1)	C	43,000	53,500	65,500	79,500	95,500	114,500	123,000
	P	20,600	22,600	24,400	26,000	27,300	28,100	28,300
	A	41.3	44.0	46.5	48.8	50.6	51.9	52.3
	M	332	415	513	631	770	937	1,013
	E	2.1	2.4	2.7	3.1	3.5	4.1	4.3
	%	71.2	71.1	70.7	69.9	68.9	67.6	66.9
30.0 (14.1)	C	51,500	64,000	78,000	95,000	114,000	136,500	146,500
	P	18,700	20,200	21,400	22,400	22,900	22,900	22,700
	A	38.9	40.8	42.5	43.8	44.5	44.6	44.4
	M	354	441	544	667	813	987	1,065
	E	2.8	3.2	3.6	4.2	5.0	6.0	6.4
	%	71.9	71.3	70.4	69.2	67.3	64.7	63.3
20.0 (10.8)	C	59,500	73,500	90,000	109,000	131,500	157,500	
	P	16,300	17,200	17,800	18,100	17,800	17,000	
	A	36.3	37.5	38.3	38.5	38.1	36.9	
	M	368	458	565	694	846	1,026	
	E	3.7	4.3	5.0	6.0	7.4	9.3	
	%	70.8	69.7	68.1	65.7	62.0	56.4	
10.0 (8.2)	C	65,000	81,000	99,500	121,500	147,500		
	P	13,200	13,600	13,600	13,100	12,000		
	A	33.5	34.0	33.9	33.2	31.6		
	M	371	463	574	707	865		
	E	4.9	6.0	7.4	9.3	12.3		
	%	67.9	65.9	62.7	57.5	48.8		

C: Capacidad (W), P: Potencia (W), A: Corriente (amperios), M: flujo de masa (gm/s), E: COP, %: isentrópica Eficiencia (%)

Nominal Performance Values (±5%) based on 72 hours run-in. Subject to change without notice. Current @ 380 V

6DVNR49ME-TSE-XXX

500 Volts, 50 Hz, 3 Phase
R-404A, Dew-Point, Medium Temp, Low Condensing

Resumen



Eléctrico

Voltaje Medio	Ato Voltaje	Fase	Frecuencia	RPM		
	500	3	50	0		
Corriente Continua Máxima - CCM (Amps.)	Corriente Operativa Máxima (Amps.)	Amperes de Carga Asignada - RLA		Amperes de Rotor Trabajado - LRA		
		Cant. Corr. Máx. / 1/4 Usar Para Selección de Contalista	Cant. Corr. Máx. / 1,56 Usar para Selección de Medida de Interruptor y Cable	Bajo	Altura	Medio Bobinado
82,4		58,6	52,6		335,2	

Mecánico

Dimensiones Generales			Dimensiones de Montaje			Conexión de Succión		Conexión de Descarga	
Largo (mm)	Ancho (mm)	Alto (mm)	Largo (mm)	Ancho (mm)	Alto (mm)	Medida (pulg.)	Tipo	Medida (mm)	Tipo
765,05	610,87	457,20	381,00	304,80	479,81	2,625	SW	2,625	SW

Desplazamiento

N° de Cilindros	Calibre (mm)	Recorrido (mm)	Desplazamiento (cm³/Revolución)	Desplazamiento (m³/hr)	Caballaje (HP)	Plano	Peso (kg)
6	80,59	57,51	1760,18	153,12	37	497-1093-00	256,28
Tipo de Aceite	Carga Inicial (litro)	Recarga (litro)	Información de Agencia				
			Nro. Archivo UL	Fecha Archivo UL	N° Archivo CSA		
POE	3,4	3,11					

Sonido y Vibración

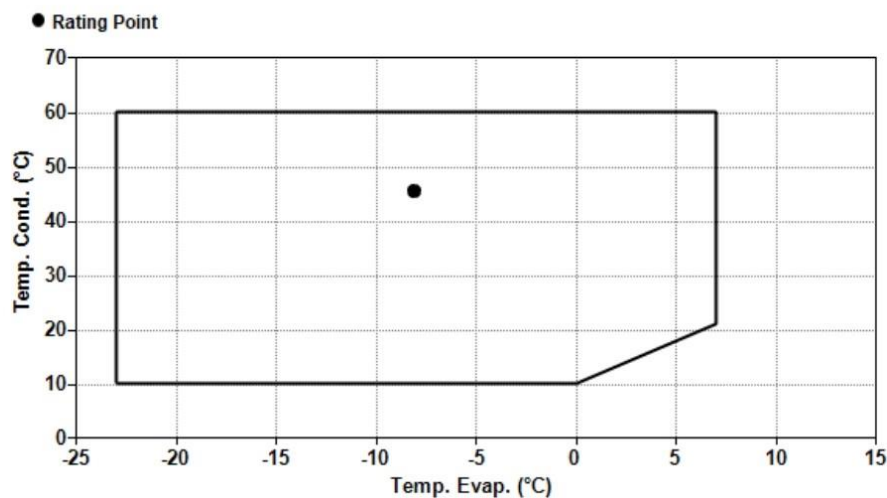
Nivel Promedio de Intensidad de Sonido (dBA)	Nivel Máximo de Intensidad del Sonido (dBA)	Vibración Promedio Pico-Pico (mm)	Vibración Máxima Pico-Pico (mm)	Impulso de Descarga Promedio Pico-Pico (bar.)	Impulso de Descarga Máxima Pico-Pico (bar.)
			0,081	1	1

Emerson Climate Technologies

January 24, 2023

Marco Operativo

Marco Operativo: 6DGNR37ME-FSD (HFC-404A)



Rating Ref. No.: 05-1195t

Rating Conditions

18.3 °C Return Gas
0 K Subcooling
35 °C Ambient Air Over

50 Hz Operation

**MEDIUM
TEMPERATURE**

Blue Are Restrictions: Head Fan
Required.

POE Oil Required. See Form 93-11.

6DHNR35ME-FSD

HFO-449A
DISCUS® COMPRESSOR
FSD 380/420-3-50

Condensing Temperature °C
(Sat. Dew Pt. Pressure, bar)

Evaporating Temperature °C (Sat. Dew Pt. Pressure, bar)

		-25.0 (2)	-20.0 (2.5)	-15.0 (3)	-10.0 (3.6)	-5.0 (4.3)	-5.0 (4.3)	0.0 (5.1)	5.0 (6.1)	7.0 (6.5)
60.0 (27)	C		25,000	33,400	42,700	52,900	52,900	63,800	75,300	80,100
	P		19,200	21,800	24,600	27,300	27,300	29,900	32,300	33,100
	A		37.1	39.8	43.1	46.8	46.8	50.7	54.5	55.9
	M		190	255	329	412	412	504	605	647
	E		1.3	1.5	1.7	1.9	1.9	2.1	2.3	2.4
	%		69.0	73.1	74.7	74.6	74.6	73.2	70.8	69.7
55.0 (24)	C		28,000	36,600	46,400	57,300	57,300	69,100	81,800	87,100
	P		18,700	21,100	23,600	26,000	26,000	28,300	30,300	31,000
	A		35.8	38.3	41.5	44.9	44.9	48.5	51.8	53.0
	M		198	261	333	415	415	507	609	653
	E		1.5	1.7	2.0	2.2	2.2	2.4	2.7	2.8
	%		70.1	73.1	74.2	73.8	73.8	72.4	70.1	69.0
50.0 (21.3)	C		30,800	39,700	50,000	61,600	61,600	74,300	88,200	94,000
	P		18,100	20,200	22,400	24,600	24,600	26,600	28,300	28,900
	A		34.5	36.9	39.8	42.9	42.9	46.1	48.9	49.9
	M		204	265	337	419	419	511	615	660
	E		1.7	2.0	2.2	2.5	2.5	2.8	3.1	3.3
	%		70.8	72.9	73.6	73.1	73.1	71.5	69.2	68.0
40.0 (16.6)	C		35,900	45,400	56,800	70,000	70,000	84,700	101,000	108,000
	P		16,500	18,200	19,950	21,600	21,600	23,000	24,100	24,400
	A		31.7	33.8	36.2	38.7	38.7	41.0	42.9	43.5
	M		214	272	343	426	426	521	629	676
	E		2.2	2.5	2.9	3.2	3.2	3.7	4.2	4.4
	%		71.2	72.1	72.2	71.2	71.2	69.2	66.4	65.0
35.0 (14.6)	C		38,200	48,200	60,200	74,200	74,200	90,000	107,500	115,000
	P		15,600	17,100	18,600	20,000	20,000	21,200	22,000	22,200
	A		30.4	32.2	34.4	36.6	36.6	38.5	39.9	40.2
	M		217	275	346	430	430	527	637	685
	E		2.5	2.8	3.2	3.7	3.7	4.3	4.9	5.2
	%		71.0	71.4	71.1	69.8	69.8	67.4	64.0	62.3
30.0 (12.8)	C		40,500	50,900	63,600	78,400	78,400	95,300	114,500	122,500
	P		14,650	15,950	17,300	18,450	18,450	19,400	20,000	20,100
	A		29.1	30.8	32.6	34.5	34.5	35.9	36.8	36.9
	M		220	278	349	434	434	533	646	695
	E		2.8	3.2	3.7	4.3	4.3	4.9	5.7	6.1
	%		70.6	70.5	69.6	67.8	67.8	64.7	60.4	58.3
25.0 (11.1)	C		42,800	53,600	67,000	82,700	82,700	101,000	121,000	130,000
	P		13,700	14,850	15,950	16,950	16,950	17,650	18,000	18,000
	A		27.9	29.4	31.0	32.4	32.4	33.4	33.7	33.6
	M		223	281	353	439	439	540	656	706
	E		3.1	3.6	4.2	4.9	4.9	5.7	6.7	7.2
	%		69.8	69.0	67.5	64.9	64.9	60.9	55.3	52.5
15.0 (8.3)	C		47,500	59,300	74,200	91,900	91,900	112,500		
	P		11,800	12,650	13,450	14,050	14,050	14,400		
	A		26.0	27.0	27.9	28.5	28.5	28.6		
	M		229	288	362	451	451	556		
	E		4.0	4.7	5.5	6.5	6.5	7.8		
	%		66.4	63.8	60.3	55.0	55.0	47.5		
10.0 (7.1)	C		49,900	62,300						
	P		10,950	11,650						
	A		25.3	26.0						
	M		233	292						
	E		4.6	5.4						
	%		63.2	59.4						

C: Capacidad (W), P: Potencia (W), A: Corriente (amperios), M: flujo de masa (gm/s), E: COP, %: isentrópica Eficiencia (%)

Nominal Performance Values (±5%) based on 72 hours run-in. Subject to change without notice. Current @ 400 V

6DHNR35ME-FSD-XXX

380/420 Volts, 50 Hz, 3 Phase
R-449A, Dew-Point, Medium Temp, Low Condensing

Resumen



Eléctrico

Voltaje Medio	Ato Voltaje	Fase	Frecuencia	RPM		
380	420	3	50	0		
Corriente Continua Máxima - CCM (Amps.)	Corriente Operativa Máxima (Amps.)	Amperes de Carga Asignada - RLA		Amperes de Rotor Trabajado - LRA		
		Cant. Corr. Máx. / 1.4 Usar Para Selección de Contactista	Cant. Corr. Máx. / 1.56 Usar para Selección de Medida de Interruptor y Cable	Bajo	Alto	Medio Bobinado
87,6		62.1	55.8		260.0	156.0

Mecánico

Dimensiones Generales			Dimensiones de Montaje			Conexión de Succión		Conexión de Descarga	
Largo (mm)	Ancho (mm)	Alto (mm)	Largo (mm)	Ancho (mm)	Alto (mm)	Medida (pulg.)	Tipo	Medida (mm)	Tipo
787,91	562,61	456,18	381,00	304,80	478,79	2,125	SW	2,125	RL

Desplazamiento

N° de Cilindros	Calibre (mm)	Recorrido (mm)	Desplazamiento (cm³/Revolución)	Desplazamiento (m³/hr)	Caballaje (HP)	Plano	Peso (kg)
6	68,28	54,64	1200,17	104,41	23	497-0956-00	249,48
Tipo de Aceite	Carga Inicial (litro)	Recarga (litro)	Información de Agencia				
			Nro. Archivo UL	Fecha Archivo UL	N° Archivo CSA		
POE	3,4	3,11					

Sonido y Vibración

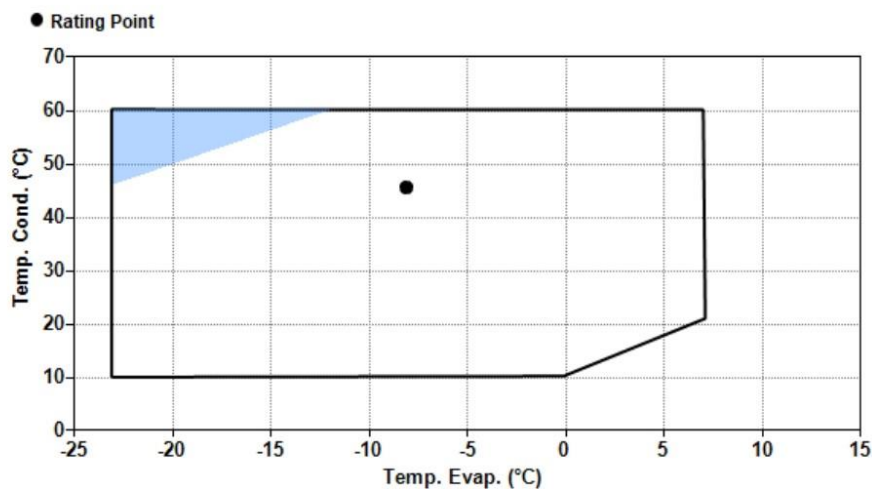
Nivel Promedio de Intensidad de Sonido (dBA)	Nivel Máximo de Intensidad del Sonido (dBA)	Vibración Promedio Pico-Pico (mm)	Vibración Máxima Pico-Pico (mm)	Impulso de Descarga Promedio Pico-Pico (bar.)	Impulso de Descarga Máxima Pico-Pico (bar.)
			0,081	1	1

Emerson Climate Technologies

January 24, 2023

Marco Operativo

Marco Operativo: 6DHNR35ME-FSD (HFO-449A)



Rating Ref. No.: 15-544

Blue Are Restrictions: Head Fan Required.

Rating Conditions

18.3 °C Return Gas
0 K Subcooling
-17.8 °C Ambient Air Over

50 Hz Operation

**MEDIUM
TEMPERATURE**

**Blue Are Restrictions: Head Fan
Required.**

POE Oil Required. See Form 93-11.

3DB3R12ME-TFC

HFO-448A
DISCUS® COMPRESSOR
TFC 200/220-3-50

Condensing Temperature °C
(Sat. Dew Pt. Pressure, bar)

Evaporating Temperature °C (Sat. Dew Pt. Pressure, bar)

	-25.0 (2)	-20.0 (2.5)	-15.0 (3)	-10.0 (3.6)	-5.0 (4.3)	-5.0 (4.3)	0.0 (5.2)	5.0 (6.1)	7.0 (6.5)
60.0									
C		7,090	10,550	14,250	18,200	18,200	22,400	27,000	29,000
P		7,270	8,030	8,860	9,700	9,700	10,500	11,200	11,450
A		27.5	29.0	30.9	33.0	33.0	35.3	37.6	38.5
M		53	79	108	139	139	174	213	230
E		1.0	1.3	1.6	1.9	1.9	2.1	2.4	2.5
%		51.6	62.8	69.1	72.1	72.1	73.1	73.0	72.7
55.0									
C		8,820	12,300	16,050	20,200	20,200	24,700	29,700	31,900
P		7,000	7,700	8,440	9,190	9,190	9,870	10,450	10,650
A		26.5	28.0	29.7	31.6	31.6	33.6	35.5	36.2
M		61	86	113	144	144	179	218	235
E		1.3	1.6	1.9	2.2	2.2	2.5	2.9	3.0
%		59.0	67.1	71.6	73.6	73.6	74.2	73.9	73.6
50.0									
C		10,400	13,900	17,750	22,100	22,100	27,000	32,400	34,700
P		6,750	7,370	8,030	8,670	8,670	9,240	9,680	9,800
A		25.5	26.9	28.5	30.1	30.1	31.8	33.3	33.8
M		68	91	118	148	148	183	222	240
E		1.5	1.9	2.2	2.6	2.6	2.9	3.4	3.5
%		64.2	70.0	73.1	74.5	74.5	74.7	74.3	74.0
40.0									
C		13,150	16,700	20,800	25,700	25,700	31,200	37,600	40,300
P		6,230	6,710	7,200	7,630	7,630	7,950	8,100	8,110
A		23.7	24.8	26.0	27.1	27.1	28.1	28.7	28.9
M		77	99	124	154	154	189	230	249
E		2.1	2.5	2.9	3.4	3.4	3.9	4.6	5.0
%		69.2	71.9	73.4	74.0	74.0	74.0	73.5	73.2
35.0									
C		14,250	17,850	22,200	27,300	27,300	33,200	40,000	43,000
P		5,940	6,360	6,750	7,070	7,070	7,270	7,280	7,220
A		22.8	23.8	24.8	25.6	25.6	26.2	26.4	26.3
M		80	101	126	156	156	192	234	252
E		2.4	2.8	3.3	3.9	3.9	4.6	5.5	6.0
%		69.6	71.4	72.4	72.8	72.8	72.7	72.1	71.8
30.0									
C		15,150	18,850	23,400	28,800	28,800	35,100	42,400	45,600
P		5,630	5,970	6,270	6,480	6,480	6,550	6,420	6,300
A		22.0	22.8	23.5	24.0	24.0	24.2	23.9	23.7
M		81	102	127	157	157	194	236	256
E		2.7	3.2	3.7	4.4	4.4	5.4	6.6	7.2
%		68.9	70.0	70.8	71.0	71.0	70.8	70.0	69.5
25.0									
C		15,900	19,700	24,400	30,100	30,100	36,900	44,700	48,100
P		5,280	5,540	5,750	5,850	5,850	5,780	5,510	5,320
A		21.1	21.8	22.3	22.4	22.4	22.2	21.4	20.9
M		82	102	127	158	158	195	239	258
E		3.0	3.6	4.3	5.2	5.2	6.4	8.1	9.0
%		67.3	68.1	68.6	68.7	68.7	68.2	66.8	66.0
15.0									
C		16,700	20,800	26,000	32,400	32,400	40,000		
P		4,420	4,520	4,530	4,400	4,400	4,070		
A		19.6	19.8	19.7	19.1	19.1	18.0		
M		80	100	125	157	157	196		
E		3.8	4.6	5.7	7.4	7.4	9.8		
%		62.6	62.8	62.9	62.2	62.2	59.9		
10.0									
C		16,800	21,000						
P		3,890	3,910						
A		18.8	18.8						
M		77	97						
E		4.3	5.4						
%		60.0	60.0						

C: Capacidad (W), P: Potencia (W), A: Corriente (amperios), M: flujo de masa (gm/s), E: COP, %: Isentrópica Eficiencia (%)

Nominal Performance Values (±5%) based on 72 hours run-in. Subject to change without notice. Current @ 200 V

3DB3R12ME-TFC-200

200/220 Volts, 50 Hz, 3 Phase
R-448A, Dew-Point, Medium Temp, Low Condensing

Resumen



Eléctrico

Voltaje Medio	Ato Voltaje	Fase	Frecuencia	RPM		
200	220	3	50	0		
Corriente Continua Máxima - CCM (Amps.)	Corriente Operativa Máxima (Amps.)	Amperes de Carga Asignada - RLA		Amperes de Rotor Trabado - LRA		
		Cart. Corr. Máx. / 1,4 Usar Para Selección de Contactista	Cart. Corr. Máx. / 1,56 Usar para Selección de Medida de Interruptor y Cable	Bajo	Altura	Medio Bobinado
61		43,6	39,1		215,0	

Mecánico

Dimensiones Generales			Dimensiones de Montaje			Conexión de Succión		Conexión de Descarga	
Largo (mm)	Ancho (mm)	Alto (mm)	Largo (mm)	Ancho (mm)	Alto (mm)	Medida (pulg.)	Tipo	Medida (mm)	Tipo
693,42	378,97	487,17	381,00	304,80	531,62	1-3/8	Sweat	1-3/8	Sweat

Desplazamiento

N° de Cilindros	Calibre (mm)	Recorrido (mm)	Desplazamiento (cm ³ /Revolución)	Desplazamiento (m ³ /hr)	Caballaje (HP)	Plano	Peso (kg)
3	60,33	50,80	435,59	37,89	7,5	497-1398-00	174,63
Tipo de Aceite	Carga Inicial (litro)	Recarga (litro)	Información de Agencia				
			Nro. Archivo UL	Fecha Archivo UL	N° Archivo CSA		
POE	3,7	3,4					

Sonido y Vibración

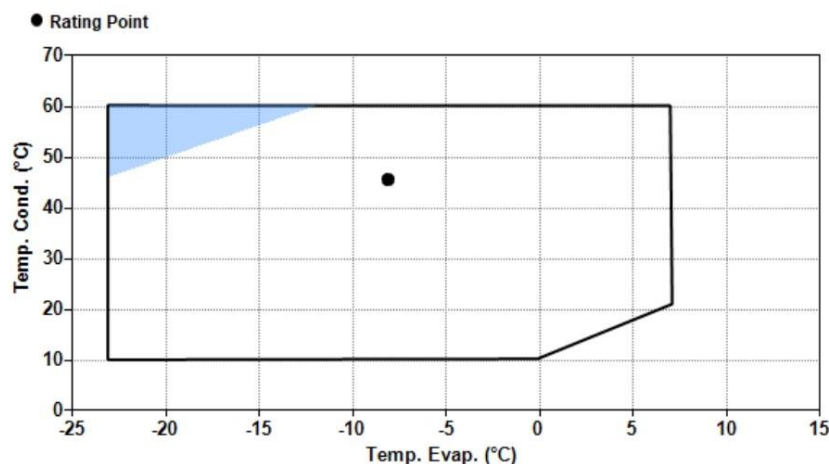
Nivel Promedio de Intensidad de Sonido (dBA)	Nivel Máximo de Intensidad del Sonido (dBA)	Vibración Promedio Pico-Pico (mm)	Vibración Máxima Pico-Pico (mm)	Impulso de Descarga Promedio Pico-Pico (bar.)	Impulso de Descarga Máxima Pico-Pico (bar.)
			0,122	1	1

Emerson Climate Technologies

January 25, 2023

Marco Operativo

Marco Operativo: 3DB3R12ME-TFC (HFO-448A)



Rating Ref. No.: 15-197

Blue Are Restrictions: Head Fan Required.

Rating Conditions

11.1 K Superheat
8.3 K Subcooling
35 °C Ambient Air Over

50 Hz Operation

AIR CONDITIONING

6DJNR40ME-FSD

HFC-507
DISCUS® COMPRESSOR
FSD 380/420-3-50

Condensing Temperature °C
(Sat. Dew Pt. Pressure, bar)

Evaporating Temperature °C (Sat. Dew Pt. Pressure, bar)

		-10.0 (4.5)	-5.0 (5.3)	0.0 (6.2)	5.0 (7.3)	7.0 (7.7)	10.0 (8.5)	12.0 (9)
60.0 (29.5)	C	49,500	61,500	76,500	93,500	100,500	111,500	119,000
	P	35,100	38,800	42,200	45,300	46,400	48,000	48,900
	A	64.1	69.5	74.7	79.2	80.8	82.9	84.0
	M	570	686	826	980	1,043	1,139	1,202
	E	1.4	1.6	1.8	2.1	2.2	2.3	2.4
	%	63.0	62.3	62.2	61.5	61.0	59.9	59.0
55.0 (26.4)	C	55,500	69,500	86,500	106,000	114,000	126,500	135,000
	P	33,800	36,900	39,800	42,400	43,300	44,600	45,400
	A	62.3	66.9	71.2	75.1	76.4	78.0	78.8
	M	580	703	851	1,013	1,081	1,183	1,250
	E	1.7	1.9	2.2	2.5	2.6	2.8	3.0
	%	62.9	63.0	63.3	62.9	62.4	61.3	60.4
50.0 (23.6)	C	62,000	77,500	96,500	118,000	127,000	141,000	150,500
	P	32,500	35,100	37,500	39,600	40,400	41,400	42,000
	A	60.4	64.2	67.9	71.0	72.0	73.2	73.8
	M	593	721	873	1,042	1,113	1,220	1,291
	E	1.9	2.2	2.6	3.0	3.2	3.4	3.6
	%	62.8	63.3	63.8	63.4	62.9	61.7	60.7
45.0 (21)	C	68,500	85,500	106,000	129,500	139,500	155,000	165,500
	P	31,100	33,300	35,200	36,900	37,500	38,200	38,700
	A	58.4	61.5	64.5	67.0	67.8	68.6	69.0
	M	606	737	893	1,067	1,139	1,250	1,325
	E	2.2	2.6	3.0	3.5	3.7	4.1	4.3
	%	62.5	63.2	63.6	63.1	62.4	61.0	59.8
40.0 (18.7)	C	75,000	93,000	115,000	140,500	151,500	168,000	179,500
	P	29,700	31,400	32,900	34,200	34,600	35,200	35,400
	A	56.3	58.8	61.1	63.0	63.6	64.1	64.2
	M	619	751	910	1,086	1,160	1,274	1,351
	E	2.5	3.0	3.5	4.1	4.4	4.8	5.1
	%	62.0	62.5	62.7	61.7	60.9	59.0	57.5
35.0 (16.5)	C	81,000	100,500	124,000	151,000	162,500	180,500	193,000
	P	28,100	29,400	30,600	31,500	31,800	32,100	32,200
	A	54.0	55.9	57.7	59.0	59.4	59.6	59.6
	M	631	763	922	1,101	1,176	1,292	1,370
	E	2.9	3.4	4.1	4.8	5.1	5.6	6.0
	%	61.1	61.3	61.0	59.3	58.1	55.7	53.6
30.0 (14.6)	C	87,500	107,500	132,000	160,500	173,000	192,000	205,000
	P	26,300	27,300	28,100	28,700	28,800	29,000	29,000
	A	51.5	52.8	54.1	55.0	55.2	55.2	54.9
	M	640	772	931	1,110	1,185	1,303	1,382
	E	3.3	3.9	4.7	5.6	6.0	6.6	7.1
	%	59.8	59.5	58.4	55.6	53.9	50.7	48.0
25.0 (12.8)	C	93,000	114,000	139,500	169,500	182,000	202,500	216,000
	P	24,400	25,000	25,500	25,800	25,800	25,800	25,700
	A	48.8	49.6	50.5	51.0	51.0	50.7	50.3
	M	647	777	935	1,113	1,189	1,307	1,388
	E	3.8	4.6	5.5	6.6	7.1	7.9	8.4
	%	58.1	57.0	54.8	50.6	48.2	43.6	40.0

C: Capacidad (W), P: Potencia (W), A: Corriente (amperios), M: flujo de masa (gm/s), E: COP, %: isentrópica Eficiencia (%)

Nominal Performance Values (±5%) based on 72 hours run-in. Subject to change without notice. Current @ 380 V

Rating Conditions

18.3 °C Return Gas
0 K Subcooling
35 °C Ambient Air Over

50 Hz Operation

**MEDIUM
TEMPERATURE**

**Blue Arc Restrictions: Head Fan
Required.**

POE Oil Required. See Form 93-11.

3DS3R17ME-TFC

HFO-448A

DISCUS® COMPRESSOR

TFC 200/220-3-50

Condensing Temperature °C
(Sat. Dew Pt. Pressure, bar)

Evaporating Temperature °C (Sat. Dew Pt. Pressure, bar)

		-25.0 (2)	-20.0 (2.5)	-15.0 (3)	-10.0 (3.6)	-5.0 (4.3)	-5.0 (4.3)	0.0 (5.2)	5.0 (6.1)	7.0 (6.5)
60.0 (27.2)	C		11,450	15,800	20,400	25,400	25,400	30,800	36,700	39,200
	P		10,200	11,200	12,300	13,400	13,400	14,450	15,350	15,700
	A		40.1	41.7	43.9	46.5	46.5	49.4	52.3	53.5
	M		85	119	155	195	195	239	289	311
	E		1.1	1.4	1.7	1.9	1.9	2.1	2.4	2.5
%		59.4	67.5	71.6	73.1	73.1	73.1	72.3	71.8	
55.0 (24.2)	C		13,000	17,450	22,300	27,700	27,700	33,600	40,100	42,900
	P		9,660	10,600	11,600	12,600	12,600	13,550	14,350	14,600
	A		37.9	39.6	41.8	44.3	44.3	46.9	49.5	50.4
	M		90	122	158	197	197	242	294	316
	E		1.4	1.7	1.9	2.2	2.2	2.5	2.8	2.9
%		63.0	69.3	72.4	73.5	73.5	73.4	72.6	72.1	
50.0 (21.4)	C		14,550	19,150	24,300	30,000	30,000	36,500	43,700	46,800
	P		9,160	10,050	11,000	11,900	11,900	12,700	13,350	13,550
	A		36.0	37.8	39.9	42.2	42.2	44.5	46.7	47.4
	M		95	126	161	201	201	247	300	323
	E		1.6	1.9	2.2	2.5	2.5	2.9	3.3	3.5
%		66.1	70.7	72.9	73.7	73.7	73.4	72.6	72.2	
40.0 (16.7)	C		17,550	22,400	28,100	34,700	34,700	42,300	50,900	54,700
	P		8,270	9,040	9,790	10,450	10,450	11,000	11,300	11,350
	A		33.0	34.7	36.5	38.3	38.3	39.8	41.0	41.3
	M		103	132	167	208	208	256	312	337
	E		2.1	2.5	2.9	3.3	3.3	3.9	4.5	4.8
%		69.6	71.7	72.7	72.8	72.8	72.4	71.5	71.0	
35.0 (14.7)	C		18,900	23,900	29,900	37,000	37,000	45,100	54,500	58,600
	P		7,860	8,540	9,190	9,730	9,730	10,100	10,250	10,200
	A		31.7	33.3	34.9	36.4	36.4	37.5	38.0	38.0
	M		106	135	170	211	211	261	318	344
	E		2.4	2.8	3.3	3.8	3.8	4.5	5.3	5.8
%		70.0	71.2	71.7	71.6	71.6	71.0	69.9	69.3	
30.0 (12.8)	C		20,200	25,400	31,700	39,200	39,200	48,000	58,100	62,500
	P		7,440	8,040	8,570	8,980	8,980	9,180	9,120	9,010
	A		30.6	32.1	33.4	34.4	34.4	35.0	34.9	34.7
	M		108	137	172	214	214	265	324	350
	E		2.7	3.2	3.7	4.4	4.4	5.2	6.4	6.9
%		69.4	69.9	70.1	69.8	69.8	68.9	67.4	66.6	
25.0 (11.2)	C		21,300	26,600	33,300	41,300	41,300	50,700	61,600	66,400
	P		7,000	7,510	7,920	8,180	8,180	8,210	7,960	7,760
	A		29.6	30.8	31.8	32.4	32.4	32.4	31.7	31.1
	M		109	138	173	216	216	268	329	356
	E		3.0	3.6	4.2	5.1	5.1	6.2	7.7	8.6
%		67.9	67.9	67.8	67.2	67.2	65.9	63.7	62.4	
15.0 (8.3)	C		22,800	28,600	36,000	45,000	45,000	55,700		
	P		6,040	6,320	6,470	6,410	6,410	6,070		
	A		27.8	28.4	28.6	28.1	28.1	26.9		
	M		109	137	174	218	218	273		
	E		3.8	4.5	5.6	7.0	7.0	9.2		
%		62.5	61.8	61.0	59.3	59.3	56.0			
10.0 (7.2)	C		23,200	29,300						
	P		5,480	5,640						
	A		26.9	27.1						
	M		107	135						
	E		4.2	5.2						
%		58.8	57.8							

C: Capacidad (W), P: Potencia (W), A: Corriente (amperios), M: flujo de masa (gm/s), E: COP, %: isentrópica Eficiencia (%)

Nominal Performance Values (±5%) based on 72 hours run-in. Subject to change without notice. Current @ 200 V

3DS3R17ME-TFC-200

200/220 Volts, 50 Hz, 3 Phase
R-448A, Dew-Point, Medium Temp, Low Condensing

Resumen



Eléctrico

Voltaje Medio	Ato Voltaje	Fase	Frecuencia	RPM		
200	220	3	50	0		
Corriente Continua Máxima - CCM (Amps.)	Corriente Operativa Máxima (Amps.)	Amperes de Carga Asignada - RLA		Amperes de Rotor Trabado - LRA		
		Cant. Corr. Máx. / 1,4 Usar Para Selección de Contalista	Cant. Corr. Máx. / 1,56 Usar para Selección de Medida de Interruptor y Cable	Bajo	Alto	Medio Bobinado
83,5		59,3	53,2		275,0	

Mecánico

Dimensiones Generales			Dimensiones de Montaje			Conexión de Succión		Conexión de Descarga	
Largo (mm)	Ancho (mm)	Alto (mm)	Largo (mm)	Ancho (mm)	Alto (mm)	Medida (pulg.)	Tipo	Medida (mm)	Tipo
717,55	379,48	487,17	381,00	304,80	531,62	1-5/8	Sweat	1-5/8	Sweat

Desplazamiento

N° de Cilindros	Calibre (mm)	Recorrido (mm)	Desplazamiento (cm³/Revolución)	Desplazamiento (m³/hr)	Caballaje (HP)	Plano	Peso (kg)
3	61,93	63,50	573,74	49,91	10	497-1320-00	174,63
Tipo de Aceite	Carga Inicial (litro)	Recarga (litro)	Información de Agencia				
			Nro. Archivo UL	Fecha Archivo UL	N° Archivo CSA		
POE	3,7	3,4					

Sonido y Vibración

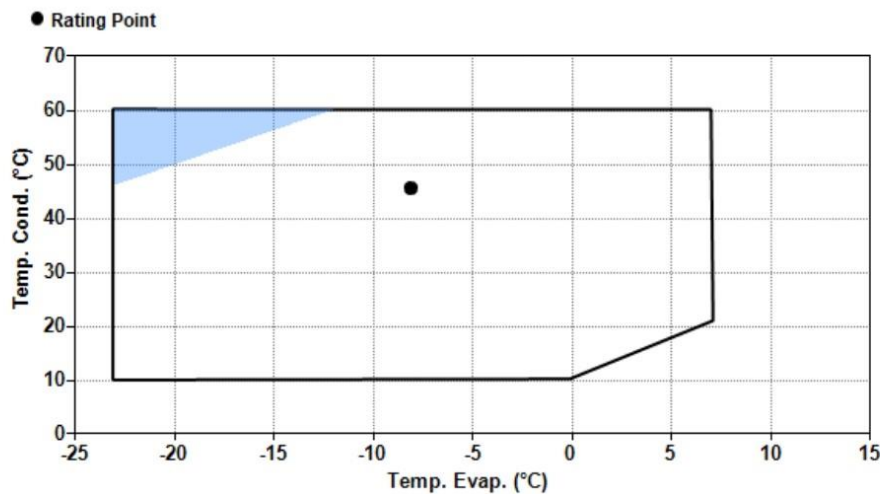
Nivel Promedio de Intensidad de Sonido (dBA)	Nivel Máximo de Intensidad del Sonido (dBA)	Vibración Promedio Pico-Pico (mm)	Vibración Máxima Pico-Pico (mm)	Impulso de Descarga Promedio Pico-Pico (bar.)	Impulso de Descarga Máxima Pico-Pico (bar.)
			0,122	1	1

Emerson Climate Technologies

January 25, 2023

Marco Operativo

Marco Operativo: 3DS3R17ME-TFC (HFO-448A)



Rating Ref. No.: 15-217

Blue Are Restrictions: Head Fan Required.

Rating Conditions

18.3 °C Return Gas
0 K Subcooling
35 °C Ambient Air Over

50 Hz Operation

**MEDIUM
TEMPERATURE**

**HFCs Require Use of Polyol Ester
Lubricant Approved on Form 93-11**

4DJNR28ME-FSD

HFC-404A
DISCUS® COMPRESSOR
FSD 380/420-3-50

**Condensing Temperature °C
(Sat. Dew Pt. Pressure, bar)**

Evaporating Temperature °C (Sat. Dew Pt. Pressure, bar)

		-20.0 (3)	-15.0 (3.6)	-10.0 (4.3)	-5.0 (5.1)	0.0 (6)	5.0 (7)	7.0 (7.5)
60.0 (28.7)	C	19,800	24,400	30,000	36,500	44,500	53,500	57,000
	P	16,800	19,000	21,200	23,400	25,500	27,400	28,100
	A	33.8	36.7	39.8	43.0	46.2	49.0	50.1
	M	213	267	333	413	510	627	680
	E	1.2	1.3	1.4	1.6	1.7	2.0	2.0
	%	70.5	69.8	69.4	69.0	68.6	68.1	67.8
50.0 (23)	C	25,100	31,500	39,000	47,500	57,500	68,500	73,500
	P	16,000	17,900	19,800	21,600	23,200	24,700	25,200
	A	32.8	35.2	37.8	40.4	42.9	45.0	45.7
	M	224	282	353	437	537	656	709
	E	1.6	1.8	2.0	2.2	2.5	2.8	2.9
	%	70.1	70.0	69.8	69.2	68.3	67.0	66.3
40.0 (18.1)	C	30,500	38,500	47,500	58,000	70,500	84,000	90,000
	P	15,000	16,500	18,100	19,400	20,600	21,600	21,900
	A	31.4	33.3	35.4	37.4	39.2	40.5	40.9
	M	236	299	373	462	566	687	742
	E	2.1	2.3	2.6	3.0	3.4	3.9	4.1
	%	69.7	69.8	69.5	68.5	66.9	64.6	63.4
30.0 (14.1)	C	36,500	46,000	56,500	69,000	83,500	99,500	106,500
	P	13,700	14,900	16,100	17,000	17,700	18,100	18,200
	A	29.8	31.2	32.7	34.1	35.1	35.7	35.7
	M	250	316	394	487	594	719	774
	E	2.7	3.1	3.5	4.1	4.7	5.5	5.8
	%	69.1	69.1	68.2	66.4	63.6	59.5	57.5
20.0 (10.8)	C	43,000	54,000	66,500	80,500	97,000	115,500	
	P	12,200	13,000	13,700	14,200	14,300	14,200	
	A	28.0	29.0	29.9	30.6	30.9	30.6	
	M	267	336	417	513	623	751	
	E	3.5	4.1	4.8	5.7	6.8	8.1	
	%	68.4	67.5	65.5	62.0	56.7	49.3	
10.0 (8.2)	C	50,500	62,500	77,000	93,000	111,500		
	P	10,400	10,800	10,900	10,900	10,500		
	A	26.2	26.6	26.9	26.9	26.4		
	M	287	358	442	541	654		
	E	4.9	5.8	7.0	8.5	10.6		
	%	67.1	64.4	59.8	52.7	42.0		

C: Capacidad (W), P: Potencia (W), A: Corriente (amperios), M: flujo de masa (gm/s), E: COP, %: isentrópica Eficiencia (%)

Nominal Performance Values (±5%) based on 72 hours run-in. Subject to change without notice. Current @ 400 V

4DJNR28ME-FSD-XXX

460 Volts, 60 Hz, 3 Phase
R-449A, Dew-Point, Medium Temp, Low Condensing

Resumen



Eléctrico

Voltaje Medio	Ato Voltaje	Fase	Frecuencia	RPM		
	460	3	60	0		
Corriente Continua Máxima - CCM (Amps.)	Corriente Operativa Máxima (Amps.)	Amperes de Carga Asignada - RLA		Amperes de Rotor Trabado - LRA		
		Cant. Corr. Máx. / 14 Usar Para Selección de Contactista	Cant. Corr. Máx. / 1.56 Usar para Selección de Medida de Interruptor y Cable	Bajo	Alta	Medio Bobinado
67,6		47.9	42.9		235.0	141.0

Mecánico

Dimensiones Generales			Dimensiones de Montaje			Conexión de Succión		Conexión de Descarga	
Largo (mm)	Ancho (mm)	Alto (mm)	Largo (mm)	Ancho (mm)	Alto (mm)	Medida (pulg.)	Tipo	Medida (mm)	Tipo
684,53	518,67	465,58	381,00	304,80	488,19	2,125	SW	2,125	SW

Desplazamiento

Nº de Cilindros	Calibre (mm)	Recorrido (mm)	Desplazamiento (cm ³ /Revolución)	Desplazamiento (m ³ /hr)	Caballaje (HP)	Plano	Peso (Kg)
4	75,69	56,01	1008,08	105,84	18	497-0958-00	204,12
Tipo de Aceite	Carga Inicial (litro)	Recarga (litro)	Información de Agencia				
			Nro. Archivo UL	Fecha Archivo UL	N' Archivo CSA		
POE	3,4	3,11					

Sonido y Vibración

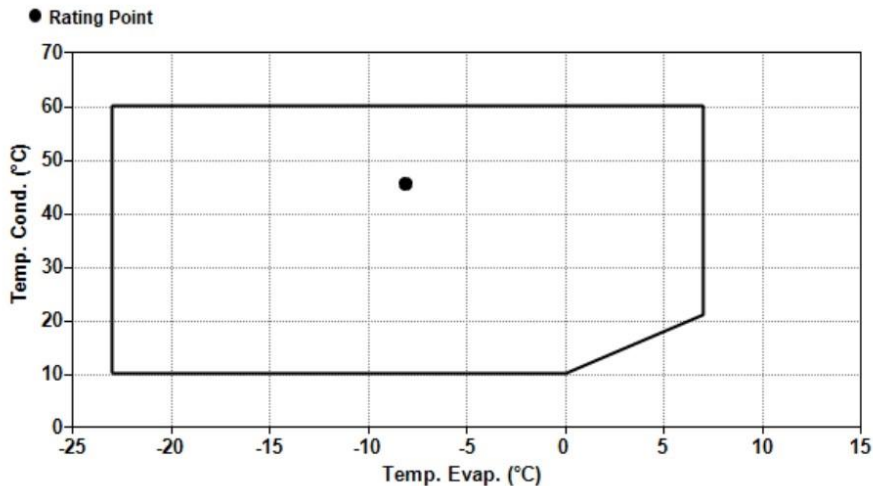
Nivel Promedio de Intensidad de Sonido (dBA)	Nivel Máximo de Intensidad del Sonido (dBA)	Vibración Promedio Pico-Pico (mm)	Vibración Máxima Pico-Pico (mm)	Impulso de Descarga Promedio Pico-Pico (bar.)	Impulso de Descarga Máxima Pico-Pico (bar.)
			0,093	1	1

Emerson Climate Technologies

January 24, 2023

Marco Operativo

Marco Operativo: 4DJNR28ME-FSD (HFC-404A)



Rating Ref. No.: 06-345t

Rating Conditions

18.3 °C Return Gas
0 K Subcooling
35 °C Ambient Air Over

50 Hz Operation

**MEDIUM
TEMPERATURE**

**HFCs Require Use of Polyol Ester
Lubricant Approved on Form 93-11**

4DJNR28ME-FSD

HFC-404A

DISCUS® COMPRESSOR

FSD 380/420-3-50

**Condensing Temperature °C
(Sat. Dew Pt. Pressure, bar)**

Evaporating Temperature °C (Sat. Dew Pt. Pressure, bar)

		-20.0 (3)	-15.0 (3.6)	-10.0 (4.3)	-5.0 (5.1)	0.0 (6)	5.0 (7)	7.0 (7.5)
60.0 (28.7)	C	19,800	24,400	30,000	36,500	44,500	53,500	57,000
	P	16,800	19,000	21,200	23,400	25,500	27,400	28,100
	A	33.8	36.7	39.8	43.0	46.2	49.0	50.1
	M	213	267	333	413	510	627	680
	E	1.2	1.3	1.4	1.6	1.7	2.0	2.0
	%	70.5	69.8	69.4	69.0	68.6	68.1	67.8
50.0 (23)	C	25,100	31,500	39,000	47,500	57,500	68,500	73,500
	P	16,000	17,900	19,800	21,600	23,200	24,700	25,200
	A	32.8	35.2	37.8	40.4	42.9	45.0	45.7
	M	224	282	353	437	537	656	709
	E	1.6	1.8	2.0	2.2	2.5	2.8	2.9
	%	70.1	70.0	69.8	69.2	68.3	67.0	66.3
40.0 (18.1)	C	30,500	38,500	47,500	58,000	70,500	84,000	90,000
	P	15,000	16,500	18,100	19,400	20,600	21,600	21,900
	A	31.4	33.3	35.4	37.4	39.2	40.5	40.9
	M	236	299	373	462	566	687	742
	E	2.1	2.3	2.6	3.0	3.4	3.9	4.1
	%	69.7	69.8	69.5	68.5	66.9	64.6	63.4
30.0 (14.1)	C	36,500	46,000	56,500	69,000	83,500	99,500	106,500
	P	13,700	14,900	16,100	17,000	17,700	18,100	18,200
	A	29.8	31.2	32.7	34.1	35.1	35.7	35.7
	M	250	316	394	487	594	719	774
	E	2.7	3.1	3.5	4.1	4.7	5.5	5.8
	%	69.1	69.1	68.2	66.4	63.6	59.5	57.5
20.0 (10.8)	C	43,000	54,000	66,500	80,500	97,000	115,500	
	P	12,200	13,000	13,700	14,200	14,300	14,200	
	A	28.0	29.0	29.9	30.6	30.9	30.6	
	M	267	336	417	513	623	751	
	E	3.5	4.1	4.8	5.7	6.8	8.1	
	%	68.4	67.5	65.5	62.0	56.7	49.3	
10.0 (8.2)	C	50,500	62,500	77,000	93,000	111,500		
	P	10,400	10,800	10,900	10,900	10,500		
	A	26.2	26.6	26.9	26.9	26.4		
	M	287	358	442	541	654		
	E	4.9	5.8	7.0	8.5	10.6		
	%	67.1	64.4	59.8	52.7	42.0		

C: Capacidad (W), P: Potencia (W), A: Corriente (amperios), M: flujo de masa (gm/s), E: COP, %: isentrópica Eficiencia (%)

Nominal Performance Values (±5%) based on 72 hours run-in. Subject to change without notice. Current @ 400 V

Rating Conditions

18.3 °C Return Gas
0 K Subcooling
35 °C Ambient Air Over

50 Hz Operation

MEDIUM TEMPERATURE

Blue Are Restrictions: Head Fan Required.

POE Oil Required. See Form 93-11.

6DGNR37ME-FSD

HFO-448A
DISCUS® COMPRESSOR
FSD 380/420-3-50

Condensing Temperature °C
(Sat. Dew Pt. Pressure, bar)

Evaporating Temperature °C (Sat. Dew Pt. Pressure, bar)

	-25.0 (2)	-20.0 (2.5)	-15.0 (3)	-10.0 (3.6)	-5.0 (4.3)	-5.0 (4.3)	0.0 (5.2)	5.0 (6.1)	7.0 (6.5)
60.0									
C		26,800	35,400	45,100	55,700	55,700	67,200	79,400	84,400
(27.2) P		20,800	23,400	26,200	29,100	29,100	31,900	34,400	35,300
A		40.4	42.8	46.2	50.1	50.1	54.2	58.2	59.7
M		200	266	342	427	427	522	626	670
E		1.3	1.5	1.7	1.9	1.9	2.1	2.3	2.4
%		68.5	72.3	73.9	73.8	73.8	72.4	70.0	68.9
55.0		29,800	38,700	48,900	60,300	60,300	72,800	86,200	91,800
P		20,100	22,500	25,100	27,700	27,700	30,100	32,300	33,100
(24.2) A		38.8	41.2	44.4	48.0	48.0	51.8	55.4	56.7
M		207	271	345	430	430	526	631	676
E		1.5	1.7	2.0	2.2	2.2	2.4	2.7	2.8
%		69.3	72.2	73.4	73.0	73.0	71.6	69.3	68.2
50.0		32,600	41,800	52,600	64,800	64,800	78,400	93,000	99,100
P		19,350	21,500	23,800	26,100	26,100	28,300	30,100	30,700
(21.4) A		37.1	39.4	42.4	45.8	45.8	49.2	52.3	53.4
M		213	275	349	434	434	530	638	684
E		1.7	1.9	2.2	2.5	2.5	2.8	3.1	3.2
%		70.0	72.2	72.9	72.4	72.4	70.9	68.5	67.4
40.0		37,800	47,800	59,800	73,700	73,700	89,400	106,500	114,000
P		17,450	19,200	21,000	22,800	22,800	24,400	25,600	25,900
(16.7) A		33.7	35.7	38.3	41.0	41.0	43.6	45.7	46.3
M		222	282	356	442	442	542	654	702
E		2.2	2.5	2.8	3.2	3.2	3.7	4.2	4.4
%		71.0	72.0	72.0	71.0	71.0	69.0	66.1	64.7
35.0		40,200	50,700	63,400	78,200	78,200	95,000	113,500	121,500
P		16,400	17,950	19,550	21,100	21,100	22,400	23,300	23,500
(14.7) A		32.0	33.9	36.2	38.6	38.6	40.7	42.2	42.6
M		225	285	359	447	447	548	663	713
E		2.5	2.8	3.2	3.7	3.7	4.2	4.9	5.2
%		71.2	71.7	71.3	69.9	69.9	67.4	63.9	62.2
30.0		42,600	53,500	66,900	82,700	82,700	100,500	120,500	129,000
P		15,300	16,700	18,100	19,400	19,400	20,400	21,000	21,100
(12.8) A		30.5	32.2	34.2	36.2	36.2	37.9	38.8	38.9
M		228	289	363	452	452	555	672	723
E		2.8	3.2	3.7	4.3	4.3	4.9	5.7	6.1
%		71.2	71.1	70.2	68.2	68.2	65.0	60.7	58.6
25.0		45,000	56,500	70,600	87,300	87,300	106,500	127,500	137,000
P		14,250	15,450	16,650	17,700	17,700	18,500	18,850	18,850
(11.2) A		29.1	30.6	32.3	33.9	33.9	35.1	35.4	35.2
M		232	292	367	457	457	562	682	735
E		3.2	3.7	4.2	4.9	4.9	5.8	6.8	7.3
%		70.8	70.0	68.4	65.6	65.6	61.4	55.8	53.1
15.0		50,000	62,500	78,200	96,900	96,900	118,500		
P		12,250	13,150	14,000	14,650	14,650	14,950		
(8.3) A		27.0	28.0	29.0	29.7	29.7	29.8		
M		238	300	377	470	470	579		
E		4.1	4.8	5.6	6.6	6.6	7.9		
%		67.7	65.1	61.3	55.9	55.9	48.3		
10.0		52,600	65,700						
P		11,400	12,150						
(7.2) A		26.3	27.1						
M		242	304						
E		4.6	5.4						
%		64.2	60.3						

C: Capacidad (W), P: Potencia (W), A: Corriente (amperios), M: flujo de masa (gm/s), E: COP, %: isentrópica Eficiencia (%)

Nominal Performance Values (±5%) based on 72 hours run-in. Subject to change without notice. Current @ 400 V

Rating Conditions

18.3 °C Return Gas
0 K Subcooling
35 °C Ambient Air Over

50 Hz Operation

MEDIUM TEMPERATURE

Blue Are Restrictions: Head Fan Required.

POE Oil Required. See Form 93-11.

6DVNR49ME-TSE

HFO-448A
DISCUS® COMPRESSOR
TSE 500-3-50

Condensing Temperature °C
(Sat. Dew Pt. Pressure, bar)

Evaporating Temperature °C (Sat. Dew Pt. Pressure, bar)

		-25.0 (2)	-20.0 (2.5)	-15.0 (3)	-10.0 (3.6)	-5.0 (4.3)	-5.0 (4.3)	0.0 (5.2)	5.0 (6.1)	7.0 (6.5)
60.0 (27.2)	C		35,000	47,400	60,900	75,500	75,500	91,200	107,500	114,500
	P		28,200	32,100	36,200	40,200	40,200	44,000	47,500	48,800
	A		43.7	46.8	50.7	55.1	55.1	59.7	64.2	65.8
	M		261	356	461	578	578	707	848	908
	E		1.2	1.5	1.7	1.9	1.9	2.1	2.3	2.4
	%		65.8	70.5	72.4	72.3	72.3	71.0	68.7	67.6
55.0 (24.2)	C		39,600	52,200	66,300	81,900	81,900	98,700	117,000	124,500
	P		27,500	31,000	34,600	38,200	38,200	41,600	44,600	45,600
	A		42.1	45.1	48.8	52.9	52.9	57.0	61.0	62.4
	M		276	366	468	584	584	713	855	916
	E		1.4	1.7	1.9	2.1	2.1	2.4	2.6	2.7
	%		67.5	70.9	72.1	71.7	71.7	70.3	68.0	66.9
50.0 (21.4)	C		43,800	56,700	71,500	88,000	88,000	106,000	126,000	134,000
	P		26,600	29,700	33,000	36,200	36,200	39,100	41,600	42,400
	A		40.5	43.4	46.8	50.5	50.5	54.2	57.6	58.8
	M		287	373	474	589	589	719	864	927
	E		1.7	1.9	2.2	2.4	2.4	2.7	3.0	3.2
	%		68.6	70.9	71.6	71.1	71.1	69.5	67.2	66.1
40.0 (16.7)	C		51,300	65,000	81,300	100,000	100,000	121,000	144,000	154,000
	P		24,300	26,800	29,300	31,800	31,800	33,900	35,500	36,000
	A		37.4	39.8	42.6	45.6	45.6	48.4	50.6	51.3
	M		301	384	484	600	600	733	885	950
	E		2.1	2.4	2.8	3.2	3.2	3.6	4.1	4.3
	%		69.3	70.3	70.2	69.2	69.2	67.2	64.4	63.1
35.0 (14.7)	C		54,800	69,000	86,100	106,000	106,000	128,500	153,500	164,500
	P		23,000	25,200	27,400	29,500	29,500	31,200	32,500	32,800
	A		35.8	38.0	40.6	43.1	43.1	45.4	47.0	47.4
	M		307	389	488	606	606	741	896	964
	E		2.4	2.7	3.1	3.6	3.6	4.1	4.7	5.0
	%		69.2	69.5	69.1	67.7	67.7	65.4	62.1	60.4
30.0 (12.8)	C		58,100	72,900	90,900	112,000	112,000	136,000	163,000	174,500
	P		21,600	23,600	25,500	27,200	27,200	28,600	29,500	29,600
	A		34.4	36.3	38.5	40.7	40.7	42.4	43.5	43.6
	M		311	393	493	612	612	751	909	979
	E		2.7	3.1	3.6	4.1	4.1	4.8	5.5	5.9
	%		68.7	68.5	67.6	65.7	65.7	62.8	58.6	56.6
25.0 (11.2)	C		61,300	76,700	95,700	118,000	118,000	144,000	173,000	185,500
	P		20,200	21,900	23,600	25,000	25,000	26,100	26,600	26,600
	A		33.0	34.7	36.6	38.3	38.3	39.5	39.9	39.7
	M		315	397	498	619	619	761	924	995
	E		3.0	3.5	4.1	4.7	4.7	5.5	6.5	7.0
	%		67.8	67.0	65.5	62.9	62.9	59.0	53.6	50.9
15.0 (8.3)	C		67,900	84,800	106,000	131,000	131,000	160,500		
	P		17,450	18,750	19,900	20,800	20,800	21,300		
	A		30.7	31.9	33.0	33.8	33.8	33.8		
	M		324	406	511	637	637	785		
	E		3.9	4.5	5.3	6.3	6.3	7.6		
	%		64.4	61.9	58.4	53.3	53.3	46.1		
10.0 (7.2)	C		71,300	89,100						
	P		16,150	17,250						
	A		29.9	30.7						
	M		329	412						
	E		4.4	5.2						
	%		61.3	57.6						

C: Capacidad (W), P: Potencia (W), A: Corriente (amperios), M: flujo de masa (gm/s), E: COP. %: isentrópica Eficiencia (%)

Nominal Performance Values (±5%) based on 72 hours run-in. Subject to change without notice. Current @ 500 V

Rating Conditions

18.3 °C Return Gas
0 K Subcooling
35 °C Ambient Air Over

50 Hz Operation

**MEDIUM
TEMPERATURE**

Blue Are Restrictions: Head Fan
Required.

POE Oil Required. See Form 93-11.

6DVNR49ME-TSE

HFO-449A
DISCUS® COMPRESSOR
TSE 500-3-50

Condensing Temperature °C
(Sat. Dew Pt. Pressure, bar)

Evaporating Temperature °C (Sat. Dew Pt. Pressure, bar)

		-25.0 (2)	-20.0 (2.5)	-15.0 (3)	-10.0 (3.6)	-5.0 (4.3)	-5.0 (4.3)	0.0 (5.1)	5.0 (6.1)	7.0 (6.5)
60.0 (27)	C		35,000	47,400	60,900	75,500	75,500	91,200	107,500	114,500
	P		28,200	32,100	36,200	40,200	40,200	44,000	47,500	48,800
	A		43.7	46.8	50.7	55.1	55.1	59.7	64.2	65.8
	M		266	362	470	589	589	720	864	925
	E		1.2	1.5	1.7	1.9	1.9	2.1	2.3	2.4
%		65.8	70.6	72.5	72.4	72.4	71.1	68.8	67.7	
55.0 (24)	C		39,600	52,200	66,300	81,900	81,900	98,700	117,000	124,500
	P		27,500	31,000	34,600	38,200	38,200	41,600	44,600	45,600
	A		42.1	45.1	48.8	52.9	52.9	57.0	61.0	62.4
	M		280	372	476	594	594	725	870	933
	E		1.4	1.7	1.9	2.1	2.1	2.4	2.6	2.7
%		67.5	70.9	72.1	71.8	71.8	70.3	68.1	67.0	
50.0 (21.3)	C		43,800	56,700	71,500	88,000	88,000	106,000	126,000	134,000
	P		26,600	29,700	33,000	36,200	36,200	39,100	41,600	42,400
	A		40.5	43.4	46.8	50.5	50.5	54.2	57.6	58.8
	M		291	379	482	599	599	731	878	942
	E		1.7	1.9	2.2	2.4	2.4	2.7	3.0	3.2
%		68.6	70.9	71.6	71.0	71.0	69.5	67.2	66.1	
40.0 (16.6)	C		51,300	65,000	81,300	100,000	100,000	121,000	144,000	154,000
	P		24,300	26,800	29,300	31,800	31,800	33,900	35,500	36,000
	A		37.4	39.8	42.6	45.6	45.6	48.4	50.6	51.3
	M		306	390	491	609	609	744	898	965
	E		2.1	2.4	2.8	3.2	3.2	3.6	4.1	4.3
%		69.2	70.1	70.1	69.1	69.1	67.2	64.4	63.0	
35.0 (14.6)	C		54,800	69,000	86,100	106,000	106,000	128,500	153,500	164,500
	P		23,000	25,200	27,400	29,500	29,500	31,200	32,500	32,800
	A		35.8	38.0	40.6	43.1	43.1	45.4	47.0	47.4
	M		311	394	495	614	614	752	909	978
	E		2.4	2.7	3.1	3.6	3.6	4.1	4.7	5.0
%		69.0	69.4	69.0	67.6	67.6	65.3	62.0	60.4	
30.0 (12.8)	C		58,100	72,900	90,900	112,000	112,000	136,000	163,000	174,500
	P		21,600	23,600	25,500	27,200	27,200	28,600	29,500	29,600
	A		34.4	36.3	38.5	40.7	40.7	42.4	43.5	43.6
	M		315	398	500	620	620	761	922	993
	E		2.7	3.1	3.6	4.1	4.1	4.8	5.5	5.9
%		68.5	68.4	67.5	65.6	65.6	62.7	58.5	56.5	
25.0 (11.1)	C		61,300	76,700	95,700	118,000	118,000	144,000	173,000	185,500
	P		20,200	21,900	23,600	25,000	25,000	26,100	26,600	26,600
	A		33.0	34.7	36.6	38.3	38.3	39.5	39.9	39.7
	M		319	402	505	627	627	771	936	1,009
	E		3.0	3.5	4.1	4.7	4.7	5.5	6.5	7.0
%		67.6	66.8	65.4	62.8	62.8	58.9	53.5	50.8	
15.0 (8.3)	C		67,900	84,800	106,000	131,000	131,000	160,500		
	P		17,450	18,750	19,900	20,800	20,800	21,300		
	A		30.7	31.9	33.0	33.8	33.8	33.8		
	M		328	411	517	645	645	795		
	E		3.9	4.5	5.3	6.3	6.3	7.6		
%		64.2	61.7	58.2	53.2	53.2	45.9			
10.0 (7.1)	C		71,300	89,100						
	P		16,150	17,250						
	A		29.9	30.7						
	M		333	417						
	E		4.4	5.2						
%		61.1	57.4							

C: Capacidad (W), P: Potencia (W), A: Corriente (amperios), M: flujo de masa (gm/s), E: COP, %: isentrópica Eficiencia (%)

Nominal Performance Values (±5%) based on 72 hours run-in. Subject to change without notice. Current @ 500 V

Rating Conditions

18.3 °C Return Gas
0 K Subcooling
35 °C Ambient Air Over

50 Hz Operation

MEDIUM TEMPERATURE

Blue Arc Restrictions: Head Fan Required.

POE Oil Required. See Form 93-11.

6DVNR49ME-TSE

HFO-449A
DISCUS® COMPRESSOR
TSE 500-3-50

Condensing Temperature °C
(Sat. Dew Pt. Pressure, bar)

Evaporating Temperature °C (Sat. Dew Pt. Pressure, bar)

		-25.0 (2)	-20.0 (2.5)	-15.0 (3)	-10.0 (3.6)	-5.0 (4.3)	-5.0 (4.3)	0.0 (5.1)	5.0 (6.1)	7.0 (6.5)
60.0 (27)	C		35,000	47,400	60,900	75,500	75,500	91,200	107,500	114,500
	P		28,200	32,100	36,200	40,200	40,200	44,000	47,500	48,800
	A		43.7	46.8	50.7	55.1	55.1	59.7	64.2	65.8
	M		266	362	470	589	589	720	864	925
	E		1.2	1.5	1.7	1.9	1.9	2.1	2.3	2.4
%		65.8	70.6	72.5	72.4	72.4	71.1	68.8	67.7	
55.0 (24)	C		39,600	52,200	66,300	81,900	81,900	98,700	117,000	124,500
	P		27,500	31,000	34,600	38,200	38,200	41,600	44,600	45,600
	A		42.1	45.1	48.8	52.9	52.9	57.0	61.0	62.4
	M		280	372	476	594	594	725	870	933
	E		1.4	1.7	1.9	2.1	2.1	2.4	2.6	2.7
%		67.5	70.9	72.1	71.8	71.8	70.3	68.1	67.0	
50.0 (21.3)	C		43,800	56,700	71,500	88,000	88,000	106,000	126,000	134,000
	P		26,600	29,700	33,000	36,200	36,200	39,100	41,600	42,400
	A		40.5	43.4	46.8	50.5	50.5	54.2	57.6	58.8
	M		291	379	482	599	599	731	878	942
	E		1.7	1.9	2.2	2.4	2.4	2.7	3.0	3.2
%		68.6	70.9	71.6	71.0	71.0	69.5	67.2	66.1	
40.0 (16.6)	C		51,300	65,000	81,300	100,000	100,000	121,000	144,000	154,000
	P		24,300	26,800	29,300	31,800	31,800	33,900	35,500	36,000
	A		37.4	39.8	42.6	45.6	45.6	48.4	50.6	51.3
	M		306	390	491	609	609	744	898	965
	E		2.1	2.4	2.8	3.2	3.2	3.6	4.1	4.3
%		69.2	70.1	70.1	69.1	69.1	67.2	64.4	63.0	
35.0 (14.6)	C		54,800	69,000	86,100	106,000	106,000	128,500	153,500	164,500
	P		23,000	25,200	27,400	29,500	29,500	31,200	32,500	32,800
	A		35.8	38.0	40.6	43.1	43.1	45.4	47.0	47.4
	M		311	394	495	614	614	752	909	978
	E		2.4	2.7	3.1	3.6	3.6	4.1	4.7	5.0
%		69.0	69.4	69.0	67.6	67.6	65.3	62.0	60.4	
30.0 (12.8)	C		58,100	72,900	90,900	112,000	112,000	136,000	163,000	174,500
	P		21,600	23,600	25,500	27,200	27,200	28,600	29,500	29,600
	A		34.4	36.3	38.5	40.7	40.7	42.4	43.5	43.6
	M		315	398	500	620	620	761	922	993
	E		2.7	3.1	3.6	4.1	4.1	4.8	5.5	5.9
%		68.5	68.4	67.5	65.6	65.6	62.7	58.5	56.5	
25.0 (11.1)	C		61,300	76,700	95,700	118,000	118,000	144,000	173,000	185,500
	P		20,200	21,900	23,600	25,000	25,000	26,100	26,600	26,600
	A		33.0	34.7	36.6	38.3	38.3	39.5	39.9	39.7
	M		319	402	505	627	627	771	936	1,009
	E		3.0	3.5	4.1	4.7	4.7	5.5	6.5	7.0
%		67.6	66.8	65.4	62.8	62.8	58.9	53.5	50.8	
15.0 (8.3)	C		67,900	84,800	106,000	131,000	131,000	160,500		
	P		17,450	18,750	19,900	20,800	20,800	21,300		
	A		30.7	31.9	33.0	33.8	33.8	33.8		
	M		328	411	517	645	645	795		
	E		3.9	4.5	5.3	6.3	6.3	7.6		
%		64.2	61.7	58.2	53.2	53.2	45.9			
10.0 (7.1)	C		71,300	89,100						
	P		16,150	17,250						
	A		29.9	30.7						
	M		333	417						
	E		4.4	5.2						
%		61.1	57.4							

C: Capacidad (W), P: Potencia (W), A: Corriente (amperios), M: flujo de masa (gm/s), E: COP, %: isentrópica Eficiencia (%)

Nominal Performance Values (±5%) based on 72 hours run-in. Subject to change without notice. Current @ 500 V

Rating Conditions

18.3 °C Return Gas
0 K Subcooling
35 °C Ambient Air Over

50 Hz Operation

**MEDIUM
TEMPERATURE**

HFCs Require Use of Polyol Ester
Lubricant Approved on Form 93-11

6DVNR49ME-TSE

HFC-507
DISCUS® COMPRESSOR
TSE 500-3-50

Condensing Temperature °C
(Sat. Dew Pt. Pressure, bar)

Evaporating Temperature °C (Sat. Dew Pt. Pressure, bar)

		-20.0 (3.1)	-15.0 (3.8)	-10.0 (4.5)	-5.0 (5.3)	0.0 (6.2)	5.0 (7.3)	7.0 (7.7)
60.0 (29.5)	C	43,000	53,100	66,200	81,400	98,300	116,000	123,500
	P	38,900	44,100	49,100	53,900	58,600	63,300	65,200
	A	55.5	61.4	67.2	72.8	78.0	82.8	84.6
	M	486	609	769	963	1,187	1,437	1,545
	E	1.1	1.2	1.4	1.5	1.7	1.8	1.9
	%	67.5	66.7	67.5	68.0	67.5	65.6	64.4
50.0 (23.6)	C	55,700	68,600	84,700	103,500	124,000	146,000	155,000
	P	37,400	41,600	45,700	49,600	53,400	57,100	58,700
	A	54.2	59.0	63.8	68.4	72.8	76.6	78.0
	M	514	640	800	991	1,209	1,452	1,556
	E	1.5	1.7	1.9	2.1	2.3	2.6	2.6
	%	66.9	66.4	66.7	66.4	65.0	62.2	60.6
40.0 (18.7)	C	68,000	83,300	102,500	124,000	148,500	174,000	184,500
	P	34,900	38,200	41,400	44,400	47,400	50,300	51,500
	A	51.5	55.2	59.0	62.7	66.1	69.1	70.1
	M	541	669	829	1,019	1,235	1,475	1,577
	E	2.0	2.2	2.5	2.8	3.1	3.5	3.6
	%	66.7	65.9	65.5	64.4	61.9	57.8	55.7
30.0 (14.6)	C	79,400	96,900	118,500	143,000	170,500	199,500	212,000
	P	31,600	34,100	36,500	38,700	40,900	43,000	43,900
	A	48.0	50.6	53.4	56.1	58.6	60.7	61.4
	M	560	688	848	1,036	1,250	1,488	1,590
	E	2.5	2.8	3.2	3.7	4.2	4.6	4.8
	%	65.4	64.1	62.8	60.4	56.4	50.5	47.6
20.0 (11.2)	C	89,500	109,000	132,500	159,500	189,500	222,000	
	P	27,900	29,700	31,300	32,800	34,300	35,700	
	A	44.1	45.8	47.5	49.3	50.8	52.1	
	M	570	697	855	1,041	1,253	1,488	
	E	3.2	3.7	4.2	4.9	5.5	6.2	
	%	62.2	59.9	57.2	52.9	46.5	37.8	
10.0 (8.5)	C	97,800	118,500	144,000	173,500	206,000		
	P	24,100	25,200	26,100	27,000	27,700		
	A	40.6	41.2	42.0	42.8	43.4		
	M	570	695	850	1,033	1,241		
	E	4.1	4.7	5.5	6.4	7.4		
	%	55.7	51.9	46.9	39.6	29.5		

C: Capacidad (W), P: Potencia (W), A: Corriente (amperios), M: flujo de masa (gm/s), E: COP, %: isentrópica Eficiencia (%)

Nominal Performance Values (±5%) based on 72 hours run-in. Subject to change without notice. Current @ 500 V

Rating Conditions

18.3 °C Return Gas
0 K Subcooling
35 °C Ambient Air Over

50 Hz Operation

**MEDIUM
TEMPERATURE**

HFCs Require Use of Polyol Ester
Lubricant Approved on Form 93-11

4DHNR22ME-FSD

HFC-507
DISCUS® COMPRESSOR
FSD 380/420-3-50

Condensing Temperature °C (Sat. Dew Pt. Pressure, bar) Evaporating Temperature °C (Sat. Dew Pt. Pressure, bar)

		-20.0 (3.1)	-15.0 (3.8)	-10.0 (4.5)	-5.0 (5.3)	0.0 (6.2)	5.0 (7.3)	7.0 (7.7)
60.0 (29.5)	C	16,700	20,900	26,200	32,500	39,000	46,000	49,000
	P	14,600	16,200	17,800	19,500	21,100	22,600	23,200
	A	30.1	31.9	34.0	36.4	38.8	41.3	42.3
	M	189	240	305	382	471	570	612
	E	1.1	1.3	1.5	1.7	1.9	2.0	2.1
	%	69.7	71.5	73.5	74.6	74.4	72.8	71.7
50.0 (23.6)	C	21,700	26,900	33,500	41,000	49,000	58,000	61,500
	P	13,800	15,200	16,600	17,900	19,200	20,300	20,700
	A	28.9	30.7	32.5	34.5	36.3	37.9	38.4
	M	200	251	315	391	478	575	617
	E	1.6	1.8	2.0	2.3	2.6	2.9	3.0
	%	70.4	71.2	72.2	72.4	71.5	69.2	67.9
40.0 (18.7)	C	26,500	33,000	41,000	50,000	60,000	70,500	75,000
	P	12,900	14,000	15,100	16,100	17,000	17,700	17,900
	A	27.7	29.2	30.7	31.9	32.9	33.5	33.6
	M	211	264	331	409	498	598	641
	E	2.1	2.4	2.7	3.1	3.5	4.0	4.2
	%	70.4	70.9	71.5	71.2	69.7	66.7	65.1
30.0 (14.6)	C	31,500	39,500	49,000	60,000	72,000	84,500	90,000
	P	11,800	12,700	13,400	14,000	14,400	14,600	14,600
	A	26.5	27.6	28.4	28.9	28.8	28.2	27.7
	M	223	281	351	433	527	631	676
	E	2.7	3.1	3.7	4.3	5.0	5.8	6.2
	%	69.9	70.5	70.7	69.8	67.3	63.1	60.8
20.0 (11.2)	C	37,500	47,000	58,500	71,000	85,500	100,500	
	P	10,500	11,100	11,500	11,600	11,500	11,100	
	A	25.4	25.9	25.9	25.3	24.0	22.0	
	M	239	302	377	464	563	673	
	E	3.6	4.2	5.1	6.1	7.4	9.0	
	%	69.1	69.4	68.8	66.6	62.1	54.8	
10.0 (8.5)	C	45,000	56,000	69,500	84,500	101,000		
	P	9,150	9,300	9,250	8,900	8,250		
	A	24.5	24.1	23.1	21.3	18.7		
	M	261	329	410	503	608		
	E	4.9	6.0	7.5	9.5	12.2		
	%	67.1	66.3	63.8	58.3	48.3		

C: Capacidad (W), P: Potencia (W), A: Corriente (amperios), M: flujo de masa (gm/s), E: COP, %: isentrópica Eficiencia (%)

Nominal Performance Values (±5%) based on 72 hours run-in. Subject to change without notice. Current @ 400 V

Rating Conditions

18.3 °C Return Gas
0 K Subcooling
-17.8 °C Ambient Air Over

50 Hz Operation

**MEDIUM
TEMPERATURE**

Blue Are Restrictions: Head Fan
Required.

POE Oil Required. See Form 93-11.

3DB3R12ME-TFC

HFO-449A
DISCUS® COMPRESSOR
TFC 200/220-3-50

Condensing Temperature °C
(Sat. Dew Pt. Pressure, bar)

Evaporating Temperature °C (Sat. Dew Pt. Pressure, bar)

		-25.0 (2)	-20.0 (2.5)	-15.0 (3)	-10.0 (3.6)	-5.0 (4.3)	-5.0 (4.3)	0.0 (5.1)	5.0 (6.1)	7.0 (6.5)
60.0 (27)	C		7,090	10,550	14,250	18,200	18,200	22,400	27,000	29,000
	P		7,270	8,030	8,860	9,700	9,700	10,500	11,200	11,450
	A		27.5	29.0	30.9	33.0	33.0	35.3	37.6	38.5
	M		54	81	110	142	142	177	217	234
	E		1.0	1.3	1.6	1.9	1.9	2.1	2.4	2.5
	%		51.6	62.9	69.2	72.2	72.2	73.2	73.1	72.9
55.0 (24)	C		8,820	12,300	16,050	20,200	20,200	24,700	29,700	31,900
	P		7,000	7,700	8,440	9,190	9,190	9,870	10,450	10,650
	A		26.5	28.0	29.7	31.6	31.6	33.6	35.5	36.2
	M		62	87	115	146	146	182	221	239
	E		1.3	1.6	1.9	2.2	2.2	2.5	2.9	3.0
	%		59.0	67.1	71.6	73.7	73.7	74.2	73.9	73.6
50.0 (21.3)	C		10,400	13,900	17,750	22,100	22,100	27,000	32,400	34,700
	P		6,750	7,370	8,030	8,670	8,670	9,240	9,680	9,800
	A		25.5	26.9	28.5	30.1	30.1	31.8	33.3	33.8
	M		69	93	120	150	150	186	226	244
	E		1.5	1.9	2.2	2.6	2.6	2.9	3.4	3.5
	%		64.1	69.9	73.1	74.4	74.4	74.7	74.3	74.0
40.0 (16.6)	C		13,150	16,700	20,800	25,700	25,700	31,200	37,600	40,300
	P		6,230	6,710	7,200	7,630	7,630	7,950	8,100	8,110
	A		23.7	24.8	26.0	27.1	27.1	28.1	28.7	28.9
	M		78	100	126	156	156	192	234	252
	E		2.1	2.5	2.9	3.4	3.4	3.9	4.6	5.0
	%		69.1	71.8	73.3	73.9	73.9	73.9	73.4	73.1
35.0 (14.6)	C		14,250	17,850	22,200	27,300	27,300	33,200	40,000	43,000
	P		5,940	6,360	6,750	7,070	7,070	7,270	7,280	7,220
	A		22.8	23.8	24.8	25.6	25.6	26.2	26.4	26.3
	M		81	102	128	158	158	195	237	256
	E		2.4	2.8	3.3	3.9	3.9	4.6	5.5	6.0
	%		69.4	71.2	72.3	72.7	72.7	72.6	72.0	71.7
30.0 (12.8)	C		15,150	18,850	23,400	28,800	28,800	35,100	42,400	45,600
	P		5,630	5,970	6,270	6,480	6,480	6,550	6,420	6,300
	A		22.0	22.8	23.5	24.0	24.0	24.2	23.9	23.7
	M		82	103	129	160	160	196	240	259
	E		2.7	3.2	3.7	4.4	4.4	5.4	6.6	7.2
	%		68.7	69.9	70.6	70.9	70.9	70.7	69.9	69.4
25.0 (11.1)	C		15,900	19,700	24,400	30,100	30,100	36,900	44,700	48,100
	P		5,280	5,540	5,750	5,850	5,850	5,780	5,510	5,320
	A		21.1	21.8	22.3	22.4	22.4	22.2	21.4	20.9
	M		83	103	129	160	160	198	242	262
	E		3.0	3.6	4.3	5.2	5.2	6.4	8.1	9.0
	%		67.2	67.9	68.4	68.5	68.5	68.0	66.7	65.9
15.0 (8.3)	C		16,700	20,800	26,000	32,400	32,400	40,000		
	P		4,420	4,520	4,530	4,400	4,400	4,070		
	A		19.6	19.8	19.7	19.1	19.1	18.0		
	M		81	101	127	159	159	198		
	E		3.8	4.6	5.7	7.4	7.4	9.8		
	%		62.4	62.6	62.7	62.0	62.0	59.8		
10.0 (7.1)	C		16,800	21,000						
	P		3,890	3,910						
	A		18.8	18.8						
	M		78	98						
	E		4.3	5.4						
	%		59.8	59.8						

C: Capacidad (W), P: Potencia (W), A: Corriente (amperios), M: flujo de masa (gm/s), E: COP, %: isentrópica Eficiencia (%)

Nominal Performance Values (±5%) based on 72 hours run-in. Subject to change without notice. Current @ 200 V

Rating Conditions

18.3 °C Return Gas
0 K Subcooling
35 °C Ambient Air Over

50 Hz Operation

**MEDIUM
TEMPERATURE**

**HFCs Require Use of Polyol Ester
Lubricant Approved on Form 93-11**

3DB3R12ME-TFC

HFC-404A
DISCUS® COMPRESSOR
TFC 200/220-3-50

Condensing Temperature °C (Sat. Dew Pt. Pressure, bar) Evaporating Temperature °C (Sat. Dew Pt. Pressure, bar)

		-20.0 (3)	-15.0 (3.6)	-10.0 (4.3)	-5.0 (5.1)	0.0 (6)	5.0 (7)	7.0 (7.5)
60.0 (28.7)	C	8,900	11,400	14,150	17,200	20,600	24,600	26,400
	P	7,400	8,500	9,500	10,400	11,300	12,000	12,300
	A	24.0	26.8	29.4	31.9	34.2	36.4	37.2
	M	96	125	157	193	237	289	314
	E	1.2	1.3	1.5	1.6	1.8	2.1	2.1
	%	72.2	73.0	72.9	72.4	71.9	71.5	71.3
50.0 (23)	C	11,550	14,600	18,000	21,900	26,400	31,500	34,000
	P	7,200	8,100	8,900	9,600	10,200	10,600	10,800
	A	23.5	25.8	27.8	29.6	31.2	32.6	33.0
	M	103	131	164	202	247	301	325
	E	1.6	1.8	2.0	2.3	2.6	3.0	3.1
	%	71.5	72.1	72.2	72.0	71.7	71.2	70.9
40.0 (18.1)	C	14,300	17,900	21,900	26,600	32,000	38,500	41,000
	P	6,800	7,500	8,050	8,500	8,850	9,050	9,100
	A	22.6	24.2	25.6	26.8	27.6	28.2	28.3
	M	110	139	172	211	258	313	338
	E	2.1	2.4	2.7	3.1	3.6	4.2	4.5
	%	71.4	71.7	71.8	71.7	71.3	70.3	69.7
30.0 (14.1)	C	17,000	21,000	25,700	31,000	37,500	45,000	48,000
	P	6,250	6,700	7,050	7,250	7,300	7,200	7,150
	A	21.2	22.3	23.1	23.5	23.6	23.4	23.2
	M	117	145	179	219	267	324	349
	E	2.7	3.1	3.7	4.3	5.1	6.2	6.7
	%	70.8	70.7	70.6	70.3	69.3	67.3	66.1
20.0 (10.8)	C	19,600	24,000	29,200	35,500	42,500	51,000	
	P	5,550	5,750	5,850	5,750	5,550	5,200	
	A	19.7	20.2	20.3	20.1	19.4	18.3	
	M	122	150	184	225	273	331	
	E	3.6	4.2	5.0	6.1	7.7	9.8	
	%	68.8	68.3	67.8	66.7	64.2	59.5	
10.0 (8.2)	C	21,900	26,700	32,500	39,000	47,000		
	P	4,650	4,630	4,460	4,140	3,640		
	A	18.1	18.0	17.5	16.5	15.1		
	M	125	153	187	228	277		
	E	4.7	5.8	7.3	9.5	13.0		
	%	64.9	63.7	61.9	58.5	51.5		

C: Capacidad (W), P: Potencia (W), A: Corriente (amperios), M: flujo de masa (gm/s), E: COP, %: isentrópica Eficiencia (%)

Nominal Performance Values (±5%) based on 72 hours run-in. Subject to change without notice. Current @ 220 V

Rating Conditions

18.3 °C Return Gas
0 K Subcooling
35 °C Ambient Air Over

50 Hz Operation

**MEDIUM
TEMPERATURE**

HFCs Require Use of Polyol Ester
Lubricant Approved on Form 93-11

3DB3R12ME-TFC

HFC-507
DISCUS® COMPRESSOR
TFC 200/220-3-50

Condensing Temperature °C
(Sat. Dew Pt. Pressure, bar)

Evaporating Temperature °C (Sat. Dew Pt. Pressure, bar)

		-20.0 (3.1)	-15.0 (3.8)	-10.0 (4.5)	-5.0 (5.3)	0.0 (6.2)	5.0 (7.3)	7.0 (7.7)
60.0 (29.5)	C	9,150	11,750	14,550	17,700	21,200	25,400	27,200
	P	7,550	8,650	9,700	10,700	11,500	12,300	12,600
	A	24.5	27.3	30.0	32.5	34.9	37.1	38.0
	M	104	135	169	209	257	314	341
	E	1.2	1.4	1.5	1.7	1.9	2.1	2.2
	%	74.3	75.2	75.1	74.7	74.3	73.9	73.8
50.0 (23.6)	C	11,900	15,100	18,600	22,600	27,200	32,500	35,000
	P	7,350	8,250	9,050	9,750	10,400	10,900	11,000
	A	24.0	26.3	28.3	30.2	31.8	33.2	33.7
	M	110	140	175	216	264	323	349
	E	1.6	1.8	2.1	2.3	2.6	3.0	3.2
	%	72.9	73.5	73.6	73.5	73.2	72.7	72.4
40.0 (18.7)	C	14,750	18,400	22,600	27,400	33,000	39,500	42,500
	P	6,950	7,650	8,200	8,650	9,000	9,200	9,250
	A	23.0	24.7	26.1	27.3	28.2	28.7	28.9
	M	117	148	183	225	274	334	361
	E	2.1	2.4	2.8	3.2	3.7	4.3	4.6
	%	72.5	72.8	72.9	72.8	72.4	71.4	70.8
30.0 (14.6)	C	17,600	21,700	26,500	32,000	38,500	46,000	49,500
	P	6,400	6,850	7,200	7,400	7,450	7,350	7,300
	A	21.7	22.8	23.6	24.0	24.1	23.8	23.6
	M	124	154	190	232	283	344	371
	E	2.8	3.2	3.7	4.4	5.2	6.3	6.8
	%	71.5	71.5	71.4	71.1	70.2	68.2	66.9
20.0 (11.2)	C	20,200	24,700	30,000	36,500	44,000	52,500	
	P	5,650	5,850	5,950	5,900	5,650	5,300	
	A	20.1	20.6	20.8	20.5	19.8	18.7	
	M	129	159	195	238	289	351	
	E	3.6	4.2	5.1	6.2	7.7	9.9	
	%	69.4	69.0	68.4	67.3	64.9	60.1	
10.0 (8.5)	C	22,600	27,500	33,500	40,500	48,500		
	P	4,740	4,720	4,550	4,220	3,710		
	A	18.5	18.4	17.8	16.8	15.4		
	M	132	161	197	241	293		
	E	4.8	5.8	7.3	9.6	13.1		
	%	65.4	64.2	62.4	59.0	51.9		

C: Capacidad (W), P: Potencia (W), A: Corriente (amperios), M: flujo de masa (gm/s), E: COP, %: isentrópica Eficiencia (%)

Nominal Performance Values (±5%) based on 72 hours run-in. Subject to change without notice. Current @ 220 V

Rating Conditions

18.3 °C Return Gas
0 K Subcooling
35 °C Ambient Air Over

50 Hz Operation

MEDIUM TEMPERATURE

Blue Arc Restrictions: Head Fan Required.

POE Oil Required. See Form 93-11.

3DS3R17ME-TFC

HFO-449A
DISCUS® COMPRESSOR
TFC 200/220-3-50

Condensing Temperature °C
(Sat. Dew Pt. Pressure, bar)

Evaporating Temperature °C (Sat. Dew Pt. Pressure, bar)

		-25.0 (2)	-20.0 (2.5)	-15.0 (3)	-10.0 (3.6)	-5.0 (4.3)	-5.0 (4.3)	0.0 (5.1)	5.0 (6.1)	7.0 (6.5)
60.0 (27)	C		11,450	15,800	20,400	25,400	25,400	30,800	36,700	39,200
	P		10,200	11,200	12,300	13,400	13,400	14,450	15,350	15,700
	A		40.1	41.7	43.9	46.5	46.5	49.4	52.3	53.5
	M		87	121	158	198	198	243	294	316
	E		1.1	1.4	1.7	1.9	1.9	2.1	2.4	2.5
%		59.4	67.6	71.7	73.2	73.2	73.3	72.4	72.0	
55.0 (24)	C		13,000	17,450	22,300	27,700	27,700	33,600	40,100	42,900
	P		9,660	10,600	11,600	12,600	12,600	13,550	14,350	14,600
	A		37.9	39.6	41.8	44.3	44.3	46.9	49.5	50.4
	M		92	124	160	201	201	247	299	322
	E		1.4	1.7	1.9	2.2	2.2	2.5	2.8	2.9
%		63.0	69.3	72.4	73.5	73.5	73.4	72.6	72.2	
50.0 (21.3)	C		14,550	19,150	24,300	30,000	30,000	36,500	43,700	46,800
	P		9,160	10,050	11,000	11,900	11,900	12,700	13,350	13,550
	A		36.0	37.8	39.9	42.2	42.2	44.5	46.7	47.4
	M		97	128	163	204	204	251	305	328
	E		1.6	1.9	2.2	2.5	2.5	2.9	3.3	3.5
%		66.0	70.7	72.9	73.6	73.6	73.4	72.6	72.2	
40.0 (16.6)	C		17,550	22,400	28,100	34,700	34,700	42,300	50,900	54,700
	P		8,270	9,040	9,790	10,450	10,450	11,000	11,300	11,350
	A		33.0	34.7	36.5	38.3	38.3	39.8	41.0	41.3
	M		105	134	170	211	211	260	317	342
	E		2.1	2.5	2.9	3.3	3.3	3.9	4.5	4.8
%		69.5	71.6	72.6	72.7	72.7	72.3	71.4	70.9	
35.0 (14.6)	C		18,900	23,900	29,900	37,000	37,000	45,100	54,500	58,600
	P		7,860	8,540	9,190	9,730	9,730	10,100	10,250	10,200
	A		31.7	33.3	34.9	36.4	36.4	37.5	38.0	38.0
	M		107	137	172	214	214	264	323	349
	E		2.4	2.8	3.3	3.8	3.8	4.5	5.3	5.8
%		69.8	71.1	71.6	71.5	71.5	70.9	69.8	69.2	
30.0 (12.8)	C		20,200	25,400	31,700	39,200	39,200	48,000	58,100	62,500
	P		7,440	8,040	8,570	8,980	8,980	9,180	9,120	9,010
	A		30.6	32.1	33.4	34.4	34.4	35.0	34.9	34.7
	M		110	139	174	217	217	268	328	355
	E		2.7	3.2	3.7	4.4	4.4	5.2	6.4	6.9
%		69.2	69.8	69.9	69.6	69.6	68.8	67.3	66.5	
25.0 (11.1)	C		21,300	26,600	33,300	41,300	41,300	50,700	61,600	66,400
	P		7,000	7,510	7,920	8,180	8,180	8,210	7,960	7,760
	A		29.6	30.8	31.8	32.4	32.4	32.4	31.7	31.1
	M		111	140	175	219	219	272	333	361
	E		3.0	3.6	4.2	5.1	5.1	6.2	7.7	8.6
%		67.7	67.8	67.6	67.1	67.1	65.8	63.6	62.3	
15.0 (8.3)	C		22,800	28,600	36,000	45,000	45,000	55,700		
	P		6,040	6,320	6,470	6,410	6,410	6,070		
	A		27.8	28.4	28.6	28.1	28.1	26.9		
	M		110	139	176	221	221	276		
	E		3.8	4.5	5.6	7.0	7.0	9.2		
%		62.3	61.7	60.8	59.2	59.2	55.8			
10.0 (7.1)	C		23,200	29,300						
	P		5,480	5,640						
	A		26.9	27.1						
	M		108	137						
	E		4.2	5.2						
%		58.6	57.6							

C: Capacidad (W), P: Potencia (W), A: Corriente (amperios), M: flujo de masa (gm/s), E: COP, %: isentrópica Eficiencia (%)

Nominal Performance Values (±5%) based on 72 hours run-in. Subject to change without notice. Current @ 200 V

Rating Conditions

18.3 °C Return Gas
0 K Subcooling
35 °C Ambient Air Over

50 Hz Operation

**MEDIUM
TEMPERATURE**

Blue Are Restrictions: Head Fan
Required.

POE Oil Required. See Form 93-11.

3DS3R17ME-TFC

HFO-449A

DISCUS® COMPRESSOR

TFC 200/220-3-50

Condensing Temperature °C
(Sat. Dew Pt. Pressure, bar)

Evaporating Temperature °C (Sat. Dew Pt. Pressure, bar)

		-25.0 (2)	-20.0 (2.5)	-15.0 (3)	-10.0 (3.6)	-5.0 (4.3)	-5.0 (4.3)	0.0 (5.1)	5.0 (6.1)	7.0 (6.5)
60.0 (27)	C		11,450	15,800	20,400	25,400	25,400	30,800	36,700	39,200
	P		10,200	11,200	12,300	13,400	13,400	14,450	15,350	15,700
	A		40.1	41.7	43.9	46.5	46.5	49.4	52.3	53.5
	M		87	121	158	198	198	243	294	316
	E		1.1	1.4	1.7	1.9	1.9	2.1	2.4	2.5
%		59.4	67.6	71.7	73.2	73.2	73.3	72.4	72.0	
55.0 (24)	C		13,000	17,450	22,300	27,700	27,700	33,600	40,100	42,900
	P		9,660	10,600	11,600	12,600	12,600	13,550	14,350	14,600
	A		37.9	39.6	41.8	44.3	44.3	46.9	49.5	50.4
	M		92	124	160	201	201	247	299	322
	E		1.4	1.7	1.9	2.2	2.2	2.5	2.8	2.9
%		63.0	69.3	72.4	73.5	73.5	73.4	72.6	72.2	
50.0 (21.3)	C		14,550	19,150	24,300	30,000	30,000	36,500	43,700	46,800
	P		9,160	10,050	11,000	11,900	11,900	12,700	13,350	13,550
	A		36.0	37.8	39.9	42.2	42.2	44.5	46.7	47.4
	M		97	128	163	204	204	251	305	328
	E		1.6	1.9	2.2	2.5	2.5	2.9	3.3	3.5
%		66.0	70.7	72.9	73.6	73.6	73.4	72.6	72.2	
40.0 (16.6)	C		17,550	22,400	28,100	34,700	34,700	42,300	50,900	54,700
	P		8,270	9,040	9,790	10,450	10,450	11,000	11,300	11,350
	A		33.0	34.7	36.5	38.3	38.3	39.8	41.0	41.3
	M		105	134	170	211	211	260	317	342
	E		2.1	2.5	2.9	3.3	3.3	3.9	4.5	4.8
%		69.5	71.6	72.6	72.7	72.7	72.3	71.4	70.9	
35.0 (14.6)	C		18,900	23,900	29,900	37,000	37,000	45,100	54,500	58,600
	P		7,860	8,540	9,190	9,730	9,730	10,100	10,250	10,200
	A		31.7	33.3	34.9	36.4	36.4	37.5	38.0	38.0
	M		107	137	172	214	214	264	323	349
	E		2.4	2.8	3.3	3.8	3.8	4.5	5.3	5.8
%		69.8	71.1	71.6	71.5	71.5	70.9	69.8	69.2	
30.0 (12.8)	C		20,200	25,400	31,700	39,200	39,200	48,000	58,100	62,500
	P		7,440	8,040	8,570	8,980	8,980	9,180	9,120	9,010
	A		30.6	32.1	33.4	34.4	34.4	35.0	34.9	34.7
	M		110	139	174	217	217	268	328	355
	E		2.7	3.2	3.7	4.4	4.4	5.2	6.4	6.9
%		69.2	69.8	69.9	69.6	69.6	68.8	67.3	66.5	
25.0 (11.1)	C		21,300	26,600	33,300	41,300	41,300	50,700	61,600	66,400
	P		7,000	7,510	7,920	8,180	8,180	8,210	7,960	7,760
	A		29.6	30.8	31.8	32.4	32.4	32.4	31.7	31.1
	M		111	140	175	219	219	272	333	361
	E		3.0	3.6	4.2	5.1	5.1	6.2	7.7	8.6
%		67.7	67.8	67.6	67.1	67.1	65.8	63.6	62.3	
15.0 (8.3)	C		22,800	28,600	36,000	45,000	45,000	55,700		
	P		6,040	6,320	6,470	6,410	6,410	6,070		
	A		27.8	28.4	28.6	28.1	28.1	26.9		
	M		110	139	176	221	221	276		
	E		3.8	4.5	5.6	7.0	7.0	9.2		
%		62.3	61.7	60.8	59.2	59.2	55.8			
10.0 (7.1)	C		23,200	29,300						
	P		5,480	5,640						
	A		26.9	27.1						
	M		108	137						
	E		4.2	5.2						
%		58.6	57.6							

C: Capacidad (W), P: Potencia (W), A: Corriente (amperios), M: flujo de masa (gm/s), E: COP, %: isentrópica Eficiencia (%)

Nominal Performance Values (±5%) based on 72 hours run-in. Subject to change without notice. Current @ 200 V

Rating Conditions

18.3 °C Return Gas
0 K Subcooling
35 °C Ambient Air Over

50 Hz Operation

MEDIUM TEMPERATURE

Blue Are Restrictions: Head Fan Required.

POE Oil Required. See Form 93-11.

6DGNR37ME-FSD

HFO-449A

DISCUS® COMPRESSOR

FSD 380/420-3-50

Condensing Temperature °C
(Sat. Dew Pt. Pressure, bar)

Evaporating Temperature °C (Sat. Dew Pt. Pressure, bar)

		-25.0 (2)	-20.0 (2.5)	-15.0 (3)	-10.0 (3.6)	-5.0 (4.3)	-5.0 (4.3)	0.0 (5.1)	5.0 (6.1)	7.0 (6.5)
60.0 (27)	C		26,800	35,400	45,100	55,700	55,700	67,200	79,400	84,400
	P		20,800	23,400	26,200	29,100	29,100	31,900	34,400	35,300
	A		40.4	42.8	46.2	50.1	50.1	54.2	58.2	59.7
	M		204	270	348	435	435	531	637	682
	E		1.3	1.5	1.7	1.9	1.9	2.1	2.3	2.4
%		68.5	72.4	74.0	73.9	73.9	72.5	70.2	69.1	
55.0 (24)	C		29,800	38,700	48,900	60,300	60,300	72,800	86,200	91,800
	P		20,100	22,500	25,100	27,700	27,700	30,100	32,300	33,100
	A		38.8	41.2	44.4	48.0	48.0	51.8	55.4	56.7
	M		211	275	351	438	438	535	642	688
	E		1.5	1.7	2.0	2.2	2.2	2.4	2.7	2.8
%		69.3	72.2	73.4	73.1	73.1	71.6	69.3	68.2	
50.0 (21.3)	C		32,600	41,800	52,600	64,800	64,800	78,400	93,000	99,100
	P		19,350	21,500	23,800	26,100	26,100	28,300	30,100	30,700
	A		37.1	39.4	42.4	45.8	45.8	49.2	52.3	53.4
	M		216	279	354	441	441	539	649	696
	E		1.7	1.9	2.2	2.5	2.5	2.8	3.1	3.2
%		69.9	72.1	72.9	72.4	72.4	70.8	68.5	67.4	
40.0 (16.6)	C		37,800	47,800	59,800	73,700	73,700	89,400	106,500	114,000
	P		17,450	19,200	21,000	22,800	22,800	24,400	25,600	25,900
	A		33.7	35.7	38.3	41.0	41.0	43.6	45.7	46.3
	M		225	286	361	449	449	550	664	713
	E		2.2	2.5	2.8	3.2	3.2	3.7	4.2	4.4
%		70.8	71.9	71.9	70.9	70.9	68.9	66.0	64.6	
35.0 (14.6)	C		40,200	50,700	63,400	78,200	78,200	95,000	113,500	121,500
	P		16,400	17,950	19,550	21,100	21,100	22,400	23,300	23,500
	A		32.0	33.9	36.2	38.6	38.6	40.7	42.2	42.6
	M		228	289	364	453	453	556	672	723
	E		2.5	2.8	3.2	3.7	3.7	4.2	4.9	5.2
%		71.1	71.6	71.2	69.7	69.7	67.3	63.8	62.2	
30.0 (12.8)	C		42,600	53,500	66,900	82,700	82,700	100,500	120,500	129,000
	P		15,300	16,700	18,100	19,400	19,400	20,400	21,000	21,100
	A		30.5	32.2	34.2	36.2	36.2	37.9	38.8	38.9
	M		232	292	368	458	458	563	682	733
	E		2.8	3.2	3.7	4.3	4.3	4.9	5.7	6.1
%		71.1	70.9	70.0	68.0	68.0	64.9	60.6	58.5	
25.0 (11.1)	C		45,000	56,500	70,600	87,300	87,300	106,500	127,500	137,000
	P		14,250	15,450	16,650	17,700	17,700	18,500	18,850	18,850
	A		29.1	30.6	32.3	33.9	33.9	35.1	35.4	35.2
	M		235	296	372	463	463	570	692	745
	E		3.2	3.7	4.2	4.9	4.9	5.8	6.8	7.3
%		70.6	69.8	68.2	65.4	65.4	61.3	55.7	53.0	
15.0 (8.3)	C		50,000	62,500	78,200	96,900	96,900	118,500		
	P		12,250	13,150	14,000	14,650	14,650	14,950		
	A		27.0	28.0	29.0	29.7	29.7	29.8		
	M		241	303	382	476	476	587		
	E		4.1	4.8	5.6	6.6	6.6	7.9		
%		67.5	64.9	61.1	55.8	55.8	48.2			
10.0 (7.1)	C		52,600	65,700						
	P		11,400	12,150						
	A		26.3	27.1						
	M		245	308						
	E		4.6	5.4						
%		64.0	60.1							

C: Capacidad (W), P: Potencia (W), A: Corriente (amperios), M: flujo de masa (gm/s), E: COP, %: isentrópica Eficiencia (%)

Nominal Performance Values (±5%) based on 72 hours run-in. Subject to change without notice. Current @ 400 V

Rating Conditions

18.3 °C Return Gas
0 K Subcooling
35 °C Ambient Air Over

50 Hz Operation

**MEDIUM
TEMPERATURE**

**HFCs Require Use of Polyol Ester
Lubricant Approved on Form 93-11**

6DGNR37ME-FSD

HFC-507
DISCUS® COMPRESSOR
FSD 380/420-3-50

Condensing Temperature °C (Sat. Dew Pt. Pressure, bar) Evaporating Temperature °C (Sat. Dew Pt. Pressure, bar)

		-20.0 (3.1)	-15.0 (3.8)	-10.0 (4.5)	-5.0 (5.3)	0.0 (6.2)	5.0 (7.3)	7.0 (7.7)
60.0 (29.5)	C	27,900	34,500	42,500	51,000	61,500	73,500	79,000
	P	23,700	26,700	29,600	32,500	35,200	37,600	38,500
	A	45.8	50.0	54.3	58.6	62.8	66.7	68.1
	M	315	397	492	606	743	910	988
	E	1.2	1.3	1.4	1.6	1.8	2.0	2.1
	%	71.8	72.0	71.5	70.9	70.3	69.9	69.8
50.0 (23.6)	C	35,500	44,500	54,500	66,000	79,500	95,000	102,000
	P	22,500	25,000	27,500	29,700	31,700	33,400	33,900
	A	44.2	47.7	51.1	54.5	57.5	60.1	61.0
	M	329	413	513	632	774	946	1,025
	E	1.6	1.8	2.0	2.2	2.5	2.9	3.0
	%	71.0	71.3	71.1	70.6	70.0	69.3	69.0
40.0 (18.7)	C	44,500	55,000	67,500	82,000	98,500	118,000	126,500
	P	21,000	23,000	24,900	26,500	27,800	28,700	28,900
	A	42.1	44.8	47.4	49.7	51.6	53.0	53.3
	M	353	441	546	671	820	999	1,079
	E	2.1	2.4	2.7	3.1	3.5	4.1	4.4
	%	72.2	72.2	71.7	71.0	70.0	68.7	68.0
30.0 (14.6)	C	53,000	65,500	80,500	97,500	117,500	140,500	151,000
	P	19,100	20,600	21,900	22,800	23,400	23,400	23,200
	A	39.7	41.6	43.3	44.6	45.4	45.4	45.2
	M	375	467	577	708	863	1,048	1,131
	E	2.8	3.2	3.7	4.3	5.0	6.0	6.5
	%	72.7	72.1	71.3	70.0	68.1	65.5	64.1
20.0 (11.2)	C	61,000	75,500	92,500	112,500	135,500	162,500	
	P	16,600	17,600	18,200	18,500	18,200	17,300	
	A	37.0	38.2	39.0	39.3	38.9	37.7	
	M	390	484	598	734	896	1,087	
	E	3.7	4.3	5.1	6.1	7.5	9.4	
	%	71.4	70.4	68.8	66.3	62.6	56.9	
10.0 (8.5)	C	67,000	83,500	102,500	125,500	152,000		
	P	13,500	13,800	13,800	13,300	12,200		
	A	34.2	34.7	34.6	33.8	32.3		
	M	392	489	607	747	914		
	E	5.0	6.0	7.4	9.4	12.4		
	%	68.4	66.4	63.2	58.0	49.2		

C: Capacidad (W), P: Potencia (W), A: Corriente (amperios), M: flujo de masa (gm/s), E: COP, %: isentrópica Eficiencia (%)

Nominal Performance Values (±5%) based on 72 hours run-in. Subject to change without notice. Current @ 380 V

Rating Conditions

18.3 °C Return Gas
0 K Subcooling
35 °C Ambient Air Over

50 Hz Operation

**MEDIUM
TEMPERATURE**

HFCs Require Use of Polyol Ester
Lubricant Approved on Form 93-11

6DJNR40ME-FSD

HFC-404A
DISCUS® COMPRESSOR
FSD 380/420-3-50

Condensing Temperature °C (Sat. Dew Pt. Pressure, bar) Evaporating Temperature °C (Sat. Dew Pt. Pressure, bar)

		-20.0 (3)	-15.0 (3.6)	-10.0 (4.3)	-5.0 (5.1)	0.0 (6)	5.0 (7)	7.0 (7.5)
60.0 (28.7)	C	30,500	36,500	44,000	52,500	62,500	74,500	79,500
	P	25,700	29,000	32,300	35,500	38,600	41,400	42,400
	A	48.5	53.3	58.3	63.3	68.2	72.7	74.4
	M	327	398	485	591	719	874	945
	E	1.2	1.3	1.4	1.5	1.6	1.8	1.9
	%	70.7	68.2	66.4	65.0	63.9	62.9	62.5
50.0 (23)	C	39,500	48,500	59,000	71,000	85,500	101,500	108,500
	P	24,600	27,300	30,000	32,600	34,800	36,800	37,500
	A	46.8	50.8	54.8	58.7	62.3	65.4	66.5
	M	352	435	536	657	800	970	1,047
	E	1.6	1.8	2.0	2.2	2.5	2.8	2.9
	%	71.5	70.6	69.8	68.9	67.8	66.4	65.7
40.0 (18.1)	C	47,000	58,000	71,000	86,500	104,000	124,000	132,500
	P	22,800	25,000	27,000	28,900	30,400	31,500	31,800
	A	44.3	47.4	50.4	53.2	55.5	57.2	57.7
	M	363	452	559	687	837	1,015	1,094
	E	2.1	2.3	2.6	3.0	3.4	3.9	4.2
	%	70.4	70.0	69.5	68.6	67.3	65.4	64.4
30.0 (14.1)	C	56,500	69,000	84,000	101,500	122,000	145,000	155,000
	P	20,700	22,300	23,700	24,800	25,500	25,700	25,700
	A	41.5	43.8	45.7	47.3	48.3	48.6	48.5
	M	389	478	586	715	868	1,048	1,128
	E	2.7	3.1	3.6	4.1	4.8	5.6	6.0
	%	71.2	69.9	68.6	66.9	64.5	61.1	59.4
20.0 (10.8)	C	71,500	85,000	101,000	120,500	142,500	168,000	
	P	18,700	19,700	20,400	20,700	20,600	19,900	
	A	39.0	40.4	41.3	41.7	41.4	40.2	
	M	445	531	637	764	915	1,093	
	E	3.8	4.3	5.0	5.8	6.9	8.4	
	%	74.5	70.6	67.1	63.1	58.1	51.2	
10.0 (8.2)	C	95,500	109,000	125,500	146,000	169,500		
	P	17,100	17,500	17,500	17,000	16,000		
	A	37.5	37.9	37.7	36.9	35.3		
	M	544	624	724	847	994		
	E	5.6	6.2	7.2	8.6	10.6		
	%	77.0	69.0	61.3	52.8	41.9		

C: Capacidad (W), P: Potencia (W), A: Corriente (amperios), M: flujo de masa (gm/s), E: COP, %: isentrópica Eficiencia (%)

Nominal Performance Values (±5%) based on 72 hours run-in. Subject to change without notice. Current @ 380 V

Rating Conditions

18.3 °C Return Gas
0 K Subcooling
35 °C Ambient Air Over

50 Hz Operation

**MEDIUM
TEMPERATURE**

Blue Are Restrictions: Head Fan
Required.

POE Oil Required. See Form 93-11.

6DJNR40ME-FSD

HFO-448A
DISCUS® COMPRESSOR
FSD 380/420-3-50

Condensing Temperature °C
(Sat. Dew Pt. Pressure, bar)

Evaporating Temperature °C (Sat. Dew Pt. Pressure, bar)

	-25.0 (2)	-20.0 (2.5)	-15.0 (3)	-10.0 (3.6)	-5.0 (4.3)	-5.0 (4.3)	0.0 (5.2)	5.0 (6.1)	7.0 (6.5)
60.0									
C		30,200	39,900	50,900	62,900	62,900	75,900	89,600	95,300
(27.2) P		23,400	26,500	29,800	33,100	33,100	36,300	39,100	40,200
A		45.3	48.3	52.2	56.7	56.7	61.4	66.0	67.7
M		225	300	385	482	482	589	706	756
E		1.3	1.5	1.7	1.9	1.9	2.1	2.3	2.4
%		68.2	71.9	73.4	73.2	73.2	71.7	69.5	68.4
55.0		33,600	43,600	55,200	68,100	68,100	82,200	97,300	103,500
(24.2) P		22,800	25,600	28,600	31,500	31,500	34,300	36,800	37,600
A		43.7	46.5	50.2	54.4	54.4	58.7	62.8	64.3
M		234	306	390	486	486	593	713	764
E		1.5	1.7	1.9	2.2	2.2	2.4	2.7	2.8
%		69.0	71.7	72.8	72.4	72.4	71.0	68.7	67.6
50.0		36,800	47,200	59,400	73,200	73,200	88,400	105,000	112,000
(21.4) P		22,000	24,500	27,200	29,800	29,800	32,200	34,300	35,000
A		41.9	44.6	48.1	52.0	52.0	55.8	59.3	60.5
M		240	311	394	490	490	599	720	772
E		1.7	1.9	2.2	2.5	2.5	2.8	3.1	3.2
%		69.6	71.6	72.3	71.8	71.8	70.3	67.9	66.8
40.0		42,600	53,900	67,500	83,200	83,200	101,000	120,500	128,500
(16.7) P		19,900	21,900	24,000	26,000	26,000	27,800	29,100	29,500
A		38.2	40.6	43.6	46.7	46.7	49.5	51.9	52.6
M		250	319	402	499	499	611	738	793
E		2.1	2.5	2.8	3.2	3.2	3.6	4.1	4.4
%		70.3	71.2	71.3	70.3	70.3	68.4	65.5	64.1
35.0		45,400	57,200	71,500	88,200	88,200	107,000	128,000	137,000
(14.7) P		18,750	20,500	22,300	24,100	24,100	25,500	26,500	26,800
A		36.4	38.6	41.3	43.9	43.9	46.3	48.0	48.4
M		254	322	406	504	504	618	748	804
E		2.4	2.8	3.2	3.7	3.7	4.2	4.8	5.1
%		70.4	70.9	70.5	69.2	69.2	66.8	63.4	61.7
30.0		48,100	60,500	75,600	93,300	93,300	113,500	136,000	145,500
(12.8) P		17,500	19,100	20,700	22,100	22,100	23,300	24,000	24,100
A		34.8	36.7	39.0	41.3	41.3	43.1	44.2	44.3
M		258	326	410	510	510	626	759	816
E		2.8	3.2	3.7	4.2	4.2	4.9	5.7	6.1
%		70.3	70.2	69.4	67.5	67.5	64.4	60.1	58.0
25.0		50,900	63,700	79,700	98,500	98,500	120,000	144,000	154,500
(11.2) P		16,300	17,650	19,050	20,200	20,200	21,100	21,500	21,500
A		33.2	34.9	36.9	38.7	38.7	39.9	40.3	40.2
M		262	330	414	516	516	635	770	829
E		3.1	3.6	4.2	4.9	4.9	5.7	6.7	7.2
%		69.9	69.1	67.6	64.9	64.9	60.8	55.2	52.5
15.0		56,400	70,600	88,200	109,500	109,500	133,500		
(8.3) P		14,000	15,000	16,000	16,700	16,700	17,100		
A		30.8	32.0	33.1	33.9	33.9	34.0		
M		269	338	425	531	531	654		
E		4.0	4.7	5.5	6.5	6.5	7.8		
%		66.8	64.2	60.5	55.2	55.2	47.7		
10.0		59,400	74,200						
(7.2) P		13,000	13,850						
A		30.1	30.9						
M		274	343						
E		4.6	5.4						
%		63.4	59.6						

C: Capacidad (W), P: Potencia (W), A: Corriente (amperios), M: flujo de masa (gm/s), E: COP, %: isentrópica Eficiencia (%)

Nominal Performance Values (±5%) based on 72 hours run-in. Subject to change without notice. Current @ 400 V

Rating Conditions

18.3 °C Return Gas
0 K Subcooling
35 °C Ambient Air Over

50 Hz Operation

**MEDIUM
TEMPERATURE**

**Blue Are Restrictions: Head Fan
Required.**

POE Oil Required. See Form 93-11.

6DJNR40ME-FSD

HFO-449A
DISCUS® COMPRESSOR
FSD 380/420-3-50

Condensing Temperature °C
(Sat. Dew Pt. Pressure, bar)

Evaporating Temperature °C (Sat. Dew Pt. Pressure, bar)

		-25.0 (2)	-20.0 (2.5)	-15.0 (3)	-10.0 (3.6)	-5.0 (4.3)	-5.0 (4.3)	0.0 (5.1)	5.0 (6.1)	7.0 (6.5)
60.0 (27)	C		30,200	39,900	50,900	62,900	62,900	75,900	89,600	95,300
	P		23,400	26,500	29,800	33,100	33,100	36,300	39,100	40,200
	A		45.3	48.3	52.2	56.7	56.7	61.4	66.0	67.7
	M		229	305	392	491	491	600	719	770
	E		1.3	1.5	1.7	1.9	1.9	2.1	2.3	2.4
	%		68.3	72.0	73.4	73.3	73.3	71.9	69.6	68.5
55.0 (24)	C		33,600	43,600	55,200	68,100	68,100	82,200	97,300	103,500
	P		22,800	25,600	28,600	31,500	31,500	34,300	36,800	37,600
	A		43.7	46.5	50.2	54.4	54.4	58.7	62.8	64.3
	M		238	311	396	494	494	604	725	777
	E		1.5	1.7	1.9	2.2	2.2	2.4	2.7	2.8
	%		69.0	71.7	72.8	72.5	72.5	71.0	68.8	67.7
50.0 (21.3)	C		36,800	47,200	59,400	73,200	73,200	88,400	105,000	112,000
	P		22,000	24,500	27,200	29,800	29,800	32,200	34,300	35,000
	A		41.9	44.6	48.1	52.0	52.0	55.8	59.3	60.5
	M		244	315	400	498	498	608	732	785
	E		1.7	1.9	2.2	2.5	2.5	2.8	3.1	3.2
	%		69.5	71.5	72.3	71.8	71.8	70.3	67.9	66.8
40.0 (16.6)	C		42,600	53,900	67,500	83,200	83,200	101,000	120,500	128,500
	P		19,900	21,900	24,000	26,000	26,000	27,800	29,100	29,500
	A		38.2	40.6	43.6	46.7	46.7	49.5	51.9	52.6
	M		254	323	408	507	507	620	749	805
	E		2.1	2.5	2.8	3.2	3.2	3.6	4.1	4.4
	%		70.1	71.1	71.2	70.2	70.2	68.3	65.4	64.1
35.0 (14.6)	C		45,400	57,200	71,500	88,200	88,200	107,000	128,000	137,000
	P		18,750	20,500	22,300	24,100	24,100	25,500	26,500	26,800
	A		36.4	38.6	41.3	43.9	43.9	46.3	48.0	48.4
	M		258	327	411	512	512	627	759	816
	E		2.4	2.8	3.2	3.7	3.7	4.2	4.8	5.1
	%		70.3	70.7	70.4	69.0	69.0	66.7	63.3	61.6
30.0 (12.8)	C		48,100	60,500	75,600	93,300	93,300	113,500	136,000	145,500
	P		17,500	19,100	20,700	22,100	22,100	23,300	24,000	24,100
	A		34.8	36.7	39.0	41.3	41.3	43.1	44.2	44.3
	M		261	330	415	517	517	635	769	828
	E		2.8	3.2	3.7	4.2	4.2	4.9	5.7	6.1
	%		70.2	70.1	69.2	67.3	67.3	64.3	60.0	57.9
25.0 (11.1)	C		50,900	63,700	79,700	98,500	98,500	120,000	144,000	154,500
	P		16,300	17,650	19,050	20,200	20,200	21,100	21,500	21,500
	A		33.2	34.9	36.9	38.7	38.7	39.9	40.3	40.2
	M		265	334	420	523	523	643	781	841
	E		3.1	3.6	4.2	4.9	4.9	5.7	6.7	7.2
	%		69.7	68.9	67.4	64.7	64.7	60.7	55.1	52.4
15.0 (8.3)	C		56,400	70,600	88,200	109,500	109,500	133,500		
	P		14,000	15,000	16,000	16,700	16,700	17,100		
	A		30.8	32.0	33.1	33.9	33.9	34.0		
	M		273	342	431	537	537	662		
	E		4.0	4.7	5.5	6.5	6.5	7.8		
	%		66.6	64.0	60.4	55.1	55.1	47.6		
10.0 (7.1)	C		59,400	74,200						
	P		13,000	13,850						
	A		30.1	30.9						
	M		277	348						
	E		4.6	5.4						
	%		63.2	59.4						

C: Capacidad (W), P: Potencia (W), A: Corriente (amperios), M: flujo de masa (gm/s), E: COP, %: Isentrópica Eficiencia (%)

Nominal Performance Values (±5%) based on 72 hours run-in. Subject to change without notice. Current @ 400 V

Rating Conditions

18.3 °C Return Gas
0 K Subcooling
35 °C Ambient Air Over

50 Hz Operation

**MEDIUM
TEMPERATURE**

**HFCs Require Use of Polyol Ester
Lubricant Approved on Form 93-11**

3DS3R17ME-TFC

HFC-404A
DISCUS® COMPRESSOR
TFC 200/220-3-50

Condensing Temperature °C (Sat. Dew Pt. Pressure, bar) Evaporating Temperature °C (Sat. Dew Pt. Pressure, bar)

		-20.0(3)	-15.0(3.6)	-10.0(4.3)	-5.0(5.1)	0.0(6)	5.0(7)	7.0(7.5)
60.0 (28.7)	C	13,250	16,400	19,900	23,900	28,500	34,000	36,500
	P	10,700	11,900	13,200	14,400	15,600	16,800	17,200
	A	35.4	38.5	41.6	44.8	48.0	51.0	52.2
	M	143	179	220	269	327	398	431
	E	1.2	1.4	1.5	1.7	1.8	2.0	2.1
	%	74.0	74.5	74.1	73.1	72.0	70.7	70.1
50.0 (23)	C	16,500	20,400	24,800	30,000	36,000	43,000	46,000
	P	10,100	11,100	12,200	13,100	14,100	14,900	15,300
	A	33.9	36.5	39.1	41.7	44.1	46.4	47.2
	M	147	183	226	277	338	412	445
	E	1.6	1.8	2.0	2.3	2.6	2.9	3.0
	%	72.8	73.0	72.7	72.0	70.9	69.4	68.6
40.0 (18.1)	C	19,700	24,400	29,900	36,500	44,000	52,500	56,500
	P	9,350	10,200	11,000	11,800	12,400	13,000	13,100
	A	32.1	34.2	36.2	38.1	39.8	41.2	41.6
	M	152	189	234	288	353	430	465
	E	2.1	2.4	2.7	3.1	3.5	4.1	4.3
	%	71.7	71.8	71.5	70.7	69.4	67.3	66.2
30.0 (14.1)	C	23,000	28,500	35,000	43,000	52,000	62,000	67,000
	P	8,500	9,200	9,750	10,200	10,600	10,800	10,800
	A	30.2	31.8	33.2	34.3	35.2	35.7	35.8
	M	158	197	244	301	369	450	486
	E	2.7	3.1	3.6	4.2	4.9	5.8	6.2
	%	70.3	70.0	69.4	68.2	66.1	62.6	60.7
20.0 (10.8)	C	26,600	33,000	40,500	49,500	60,000	72,500	
	P	7,550	8,050	8,350	8,550	8,600	8,450	
	A	28.3	29.3	30.1	30.5	30.5	30.1	
	M	165	205	255	315	386	471	
	E	3.5	4.1	4.9	5.8	7.0	8.6	
	%	68.0	67.0	65.6	63.0	58.8	52.0	
10.0 (8.2)	C	30,500	37,500	46,500	57,000	69,000		
	P	6,500	6,750	6,850	6,700	6,450		
	A	26.6	27.1	27.1	26.8	25.9		
	M	173	215	267	330	405		
	E	4.7	5.6	6.8	8.5	10.7		
	%	64.1	61.6	58.0	52.1	42.6		

C: Capacidad (W), P: Potencia (W), A: Corriente (amperios), M: flujo de masa (gm/s), E: COP, %: isentrópica Eficiencia (%)

Nominal Performance Values (±5%) based on 72 hours run-in. Subject to change without notice. Current @ 220 V

Rating Conditions

18.3 °C Return Gas
0 K Subcooling
35 °C Ambient Air Over

50 Hz Operation

MEDIUM TEMPERATURE

HFCs Require Use of Polyol Ester
Lubricant Approved on Form 93-11

3DB3R12ME-TFD

HFC-404A
DISCUS® COMPRESSOR
TFD 380/420-3-50

Condensing Temperature °C
(Sat. Dew Pt. Pressure, bar)

Evaporating Temperature °C (Sat. Dew Pt. Pressure, bar)

		-20.0 (3)	-15.0 (3.6)	-10.0 (4.3)	-5.0 (5.1)	0.0 (6)	5.0 (7)	7.0 (7.5)
60.0 (28.7)	C	8,900	11,400	14,150	17,200	20,600	24,600	26,400
	P	7,400	8,500	9,500	10,400	11,300	12,000	12,300
	A	13.9	15.5	17.0	18.5	19.8	21.1	21.5
	M	96	125	157	193	237	289	314
	E	1.2	1.3	1.5	1.6	1.8	2.1	2.1
	%	72.2	73.0	72.9	72.4	71.9	71.5	71.3
50.0 (23)	C	11,550	14,600	18,000	21,900	26,400	31,500	34,000
	P	7,200	8,100	8,900	9,600	10,200	10,600	10,800
	A	13.6	14.9	16.1	17.1	18.1	18.8	19.1
	M	103	131	164	202	247	301	325
	E	1.6	1.8	2.0	2.3	2.6	3.0	3.1
	%	71.5	72.1	72.2	72.0	71.7	71.2	70.9
40.0 (18.1)	C	14,300	17,900	21,900	26,600	32,000	38,500	41,000
	P	6,800	7,500	8,050	8,500	8,850	9,050	9,100
	A	13.1	14.0	14.8	15.5	16.0	16.3	16.4
	M	110	139	172	211	258	313	338
	E	2.1	2.4	2.7	3.1	3.6	4.2	4.5
	%	71.4	71.7	71.8	71.7	71.3	70.3	69.7
30.0 (14.1)	C	17,000	21,000	25,700	31,000	37,500	45,000	48,000
	P	6,250	6,700	7,050	7,250	7,300	7,200	7,150
	A	12.3	12.9	13.4	13.6	13.7	13.5	13.4
	M	117	145	179	219	267	324	349
	E	2.7	3.1	3.7	4.3	5.1	6.2	6.7
	%	70.8	70.7	70.6	70.3	69.3	67.3	66.1
20.0 (10.8)	C	19,600	24,000	29,200	35,500	42,500	51,000	
	P	5,550	5,750	5,850	5,750	5,550	5,200	
	A	11.4	11.7	11.8	11.6	11.2	10.6	
	M	122	150	184	225	273	331	
	E	3.6	4.2	5.0	6.1	7.7	9.8	
	%	68.8	68.3	67.8	66.7	64.2	59.5	
10.0 (8.2)	C	21,900	26,700	32,500	39,000	47,000		
	P	4,650	4,630	4,460	4,140	3,640		
	A	10.5	10.4	10.1	9.6	8.7		
	M	125	153	187	228	277		
	E	4.7	5.8	7.3	9.5	13.0		
	%	64.9	63.7	61.9	58.5	51.5		



C: Capacidad (W), P: Potencia (W), A: Corriente (amperios), M: flujo de masa (gm/s), E: COP, %: isentrópica Eficiencia (%)

Nominal Performance Values (±5%) based on 72 hours run-in. Subject to change without notice. Current @ 380 V