



# FRICK INDIA RECIPROCATING COMPRESSORS (450XL Series)

## Rating Chart for High Stage Direct Drive Compressors

Refrigerant			Ammonia																			
Condensing Temp.			35°C (95°F)					40°C (104°F)					35°C (95°F)					40°C (104°F)				
Condensing Temp. (psig)			181.10					210.96					181.10					210.96				
Models	SST Temp. psig	RPM	SST Temp.	CMH (CFM)	Qo. kW (TR)	Power BkW (BHP)	Suitable Motor HP (kW)	Qo. kW (TR)	Power BkW (BHP)	Suitable Motor HP (kW)	RPM	CMH (CFM)	Qo. kW (TR)	Power BkW (BHP)	Suitable Motor HP (kW)	Qo. kW (TR)	Power BkW (BHP)	Suitable Motor HP (kW)				
452 XL	60.10	960	5 °C (41°F)	135.10 (79.51)	153.74 (43.80)	23.16 (31.06)	40 (29.83)	147.24 (41.95)	26.05 (34.93)	40 (29.83)	1450	204.06 (120.11)	232.21 (66.16)	34.98 (46.91)	50 (37.29)	222.39 (63.36)	39.35 (52.76)	60 (44.74)				
			0 °C (32°F)	135.10 (79.51)	125.13 (35.65)	23.11 (30.99)	40 (29.83)	120.71 (34.39)	25.78 (34.57)	40 (29.83)		204.06 (120.11)	189.00 (53.85)	34.91 (46.81)	50 (37.29)	182.32 (51.94)	38.94 (52.22)	60 (44.74)				
			-5 °C (23°F)	135.10 (79.51)	100.67 (28.68)	22.41 (30.05)	40 (29.83)	96.74 (27.56)	24.63 (33.03)	40 (29.83)		204.06 (120.11)	152.05 (43.32)	33.85 (45.39)	50 (37.29)	146.12 (41.63)	37.20 (49.89)	60 (44.74)				
			-10 °C (14°F)	135.10 (79.51)	79.15 (22.55)	21.07 (28.26)	40 (29.83)	75.36 (21.47)	22.77 (30.54)	40 (29.83)		204.06 (120.11)	119.55 (34.06)	31.82 (42.68)	50 (37.29)	113.83 (32.43)	34.39 (46.12)	50 (37.29)				
			-15 °C (5°F)	135.10 (79.51)	61.04 (17.39)	19.39 (26.00)	30 (22.37)	57.35 (16.34)	20.60 (27.63)	30 (22.37)		204.06 (120.11)	92.20 (26.27)	29.29 (39.27)	50 (37.29)	86.62 (24.68)	31.11 (41.73)	50 (37.29)				
			-20 °C (-4°F)	135.10 (79.51)	46.86 (13.35)	17.52 (23.49)	30 (22.37)					204.06 (120.11)	70.78 (20.16)	26.46 (35.49)	40 (29.83)							
			454 XL	60.10	960	5 °C (41°F)	270.20 (159.03)	307.90 (87.72)	44.28 (59.38)	75 (55.93)		295.09 (84.07)	49.84 (66.84)	75 (55.93)	1450	408.11 (240.21)	465.06 (132.49)	66.88 (89.69)	100 (74.57)	445.71 (126.98)	75.28 (100.95)	120 (89.49)
47.58	0 °C (32°F)	270.20 (159.03)	250.72 (71.43)	44.17 (59.23)	75 (55.93)	241.84 (68.90)	49.25 (66.05)	75 (55.93)	408.11 (240.21)	378.69 (107.89)	66.72 (89.47)	100 (74.57)	365.28 (104.07)	74.39 (99.76)		120 (89.49)						
36.75	-5 °C (23°F)	270.20 (159.03)	201.90 (57.52)	42.87 (57.49)	75 (55.93)	194.00 (55.27)	47.10 (63.16)	75 (55.93)	408.11 (240.21)	304.95 (86.88)	64.75 (86.83)	100 (74.57)	293.02 (83.48)	71.14 (95.40)		120 (89.49)						
27.46	-10 °C (14°F)	270.20 (159.03)	158.72 (45.22)	40.28 (54.02)	60 (44.74)	150.97 (43.01)	43.50 (58.33)	75 (55.93)	408.11 (240.21)	239.73 (68.30)	60.84 (81.59)	100 (74.57)	228.03 (64.97)	65.70 (88.11)		100 (74.57)						
19.55	-15 °C (5°F)	270.20 (159.03)	122.36 (34.86)	37.03 (49.66)	60 (44.74)	110.39 (31.45)	39.36 (52.78)	60 (44.74)	408.11 (240.21)	184.81 (52.65)	55.93 (75.00)	100 (74.57)	166.73 (47.50)	59.45 (79.72)		100 (74.57)						
12.87	-20 °C (-4°F)	270.20 (159.03)	93.30 (26.58)	33.46 (44.87)	50 (37.29)				408.11 (240.21)	140.92 (40.15)	50.54 (67.77)	75 (55.93)										
456 XL	60.10	960	5 °C (41°F)	405.30 (238.55)	461.67 (131.53)	65.11 (87.31)	100 (74.57)	442.33 (126.02)	73.27 (98.26)	120 (89.49)	1450	612.17 (360.32)	697.31 (198.66)	98.34 (131.88)		150 (111.86)	668.10 (190.34)	110.67 (148.41)	180 (134.23)			
47.58	0 °C (32°F)	405.30 (238.55)	375.82 (107.07)	64.93 (87.07)	100 (74.57)	362.58 (103.30)	72.41 (97.10)	120 (89.49)	612.17 (360.32)	567.64 (161.72)		98.07 (131.52)	150 (111.86)	547.65 (156.02)	109.37 (146.67)	180 (134.23)						
36.75	-5 °C (23°F)	405.30 (238.55)	302.53 (86.19)	63.04 (84.54)	100 (74.57)	290.77 (82.84)	69.24 (92.85)	100 (74.57)	612.17 (360.32)	456.95 (130.18)		95.22 (127.69)	150 (111.86)	439.18 (125.12)	104.58 (140.25)	180 (134.23)						
27.46	-10 °C (14°F)	405.30 (238.55)	237.87 (67.77)	59.21 (79.40)	100 (74.57)	226.32 (64.48)	63.93 (85.73)	100 (74.57)	612.17 (360.32)	359.28 (102.36)		89.43 (119.93)	150 (111.86)	341.84 (97.39)	96.56 (129.49)	150 (111.86)						
19.55	-15 °C (5°F)	405.30 (238.55)	183.36 (52.24)	54.45 (73.02)	100 (74.57)	172.06 (49.02)	57.85 (77.58)	100 (74.57)	612.17 (360.32)	276.95 (78.90)		82.24 (110.29)	120 (89.49)	259.88 (74.04)	87.38 (117.18)	150 (111.86)						
12.87	-20 °C (-4°F)	405.30 (238.55)	139.94 (39.87)	49.16 (65.92)	75 (55.93)				612.17 (360.32)	211.37 (60.22)		74.25 (99.57)	120 (89.49)									
458 XL	60.10	960	5 °C (41°F)	540.40 (318.07)	614.04 (174.94)	86.76 (116.35)	150 (111.86)	588.38 (167.63)	97.66 (130.96)	150 (111.86)		1450	816.23 (480.43)	927.46 (264.23)	131.04 (175.73)	215 (160.33)	888.70 (253.19)	147.51 (197.81)	215 (160.33)			
47.58	0 °C (32°F)	540.40 (318.07)	499.96 (142.44)	86.56 (116.08)	150 (111.86)	482.27 (137.40)	96.54 (129.46)	150 (111.86)	816.23 (480.43)	755.15 (215.14)	130.74 (175.33)		215 (160.33)	728.43 (207.53)	145.82 (195.54)	215 (160.33)						
36.75	-5 °C (23°F)	540.40 (318.07)	402.60 (114.70)	84.03 (112.69)	120 (89.49)	386.87 (110.22)	92.33 (123.82)	150 (111.86)	816.23 (480.43)	608.09 (173.25)	126.92 (170.20)		215 (160.33)	584.33 (166.48)	139.46 (187.01)	215 (160.33)						
27.46	-10 °C (14°F)	540.40 (318.07)	316.60 (90.20)	78.94 (105.86)	120 (89.49)	300.98 (85.75)	85.25 (114.32)	150 (111.86)	816.23 (480.43)	478.20 (136.24)	119.23 (159.89)		180 (134.23)	454.61 (129.52)	128.76 (172.67)	215 (160.33)						
19.55	-15 °C (5°F)	540.40 (318.07)	244.12 (69.55)	72.56 (97.30)	120 (89.49)	228.85 (65.20)	77.14 (103.45)	120 (89.49)	816.23 (480.43)	368.72 (105.05)	109.60 (146.97)		180 (134.23)	345.66 (98.48)	116.51 (156.25)	180 (134.23)						
12.87	-20 °C (-4°F)	540.40 (318.07)	186.03 (53.00)	65.58 (87.94)	100 (74.57)				816.23 (480.43)	280.98 (80.05)	99.05 (132.83)		150 (111.86)									
4512 XL	60.10	960	5 °C (41°F)	810.60 (477.11)	923.45 (263.09)	130.24 (174.65)	215 (160.33)	884.98 (252.13)	146.55 (196.53)	215 (160.33)	1450		1224.34 (720.65)	1394.79 (397.38)	196.72 (263.80)	300 (223.71)	1336.69 (380.82)	221.35 (296.84)	335 (249.81)			
47.58	0 °C (32°F)	810.60 (477.11)	751.81 (214.19)	129.89 (174.19)	215 (160.33)	739.28 (210.62)	144.85 (194.25)	215 (160.33)	1224.34 (720.65)	1135.55 (323.52)		196.19 (263.09)	300 (223.71)	1116.62 (318.13)	218.78 (293.39)	335 (249.81)						
36.75	-5 °C (23°F)	810.60 (477.11)	605.33 (172.46)	126.08 (169.08)	215 (160.33)	581.71 (165.73)	138.50 (185.73)	215 (160.33)	1224.34 (720.65)	914.30 (260.48)		190.43 (255.37)	300 (223.71)	878.62 (250.32)	209.19 (280.53)	335 (249.81)						
27.46	-10 °C (14°F)	810.60 (477.11)	475.96 (135.60)	118.46 (158.86)	180 (134.23)	452.83 (129.01)	127.92 (171.54)	215 (160.33)	1224.34 (720.65)	718.90 (204.81)		178.92 (239.94)	270 (201.34)	683.96 (194.86)	193.21 (259.10)	300 (223.71)						
19.55	-15 °C (5°F)	810.60 (477.11)	367.04 (104.57)	108.90 (146.04)	180 (134.23)	344.16 (98.05)	115.75 (155.22)	180 (134.23)	1224.34 (720.65)	554.38 (157.94)		164.48 (220.58)	270 (201.34)	519.83 (148.10)	174.83 (234.45)	270 (201.34)						
12.87	-20 °C (-4°F)	810.60 (477.11)	279.92 (79.75)	98.39 (131.94)	150 (111.86)				1224.34 (720.65)	422.80 (120.45)		148.61 (199.29)	270 (201.34)									
4516 XL	60.10	960	5 °C (41°F)	1080.80 (636.15)	1232.57 (351.16)	173.82 (233.10)	270 (201.34)	1181.19 (336.52)	195.65 (262.37)	300 (223.71)		1450	1632.46 (960.87)	1861.69 (530.40)	262.54 (352.07)	425 (316.93)	1784.09 (508.29)	295.51 (396.29)	475 (354.21)			
47.58	0 °C (32°F)	1080.80 (636.15)	1003.68 (285.95)	173.38 (232.51)	270 (201.34)	968.16 (275.83)	193.40 (259.35)	300 (223.71)	1632.46 (960.87)	1515.98 (431.90)	261.88 (351.18)		425 (316.93)	1462.33 (416.62)	292.11 (391.73)	475 (354.21)						
36.75	-5 °C (23°F)	1080.80 (636.15)	808.11 (230.23)	168.31 (225.71)	270 (201.34)	776.59 (221.25)	184.90 (247.95)	270 (201.34)	1632.46 (960.87)	1220.58 (347.74)	254.22 (340.91)		425 (316.93)	1172.97 (334.18)	279.28 (374.51)	425 (316.93)						
27.46	-10 °C (14°F)	1080.80 (636.15)	635.49 (181.05)	158.12 (212.04)	270 (201.34)	604.25 (172.15)	170.76 (228.99)	270 (201.34)	1632.46 (960.87)	959.85 (273.46)	238.83 (320.27)		425 (316.93)	912.67 (260.02)	257.92 (345.87)	425 (316.93)						
19.55	-15 °C (5°F)	1080.80 (636.15)	489.64 (139.50)	145.42 (195.01)	215 (160.33)	459.14 (130.81)	154.50 (207.19)	270 (201.34)	1632.46 (960.87)	739.56 (210.70)	219.64 (294.55)		335 (249.81)	693.49 (197.58)	233.36 (312.94)	425 (316.93)						
12.87	-20 °C (-4°F)	1080.80 (636.15)	373.50 (106.41)	131.37 (176.17)	215 (160.33)				1632.46 (960.87)	564.14 (160.72)	198.42 (266.09)		300 (223.71)									

Note: Liquid Subcooling: 0°C, Superheat: 0°C  
 For any condition outside the range given above please contact us  
 Qo: Cooling Capacity  
 For data regarding other refrigerants, please contact us.



# FRICK INDIA RECIPROCATING COMPRESSORS (450XL Series)

## Rating Chart for High Stage Belt Drive Compressors

Refrigerant				Ammonia																
Condensing Temp.				35°C (95°F)			40°C (104°F)			RPM	35°C (95°F)			40°C (104°F)						
Condensing Temp. (psig)				181.1			210.8				181.1			210.8						
Models	SST Temp. psig	RPM	SST Temp.	CMH (CFM)	Qo. kW (TR)	Power BkW (BHP)	Suitable Motor HP (kW)	Qo. kW (TR)	Power BkW (BHP)		Suitable Motor HP (kW)	CMH (CFM)	Qo. kW (TR)	Power BkW (BHP)	Suitable Motor HP (kW)	Qo. kW (TR)	Power BkW (BHP)	Suitable Motor HP (kW)		
452XL	60.10	1200	5 °C (41°F)	168.90 (99.36)	192.21 (54.76)	29.84 (40.02)	50 (37.29)	184.06 (52.44)	33.58 (45.03)	50 (37.29)	1450	204.06 (120.11)	232.25 (66.17)	36.06 (48.35)	60 (44.74)	222.41 (63.36)	40.58 (54.41)	60 (44.74)		
			0 °C (32°F)	168.90 (99.36)	156.41 (44.56)	29.78 (39.93)	50 (37.29)	150.86 (42.98)	33.22 (44.55)	50 (37.29)		204.06 (120.11)	189.00 (53.84)	35.98 (48.25)	60 (44.74)	182.29 (51.93)	40.14 (53.83)	60 (44.74)		
			-5 °C (23°F)	168.90 (99.36)	125.80 (35.84)	28.87 (38.71)	50 (37.29)	120.92 (34.45)	31.74 (42.56)	50 (37.29)		204.06 (120.11)	152.01 (43.31)	34.88 (46.78)	60 (44.74)	146.11 (41.63)	38.35 (51.43)	60 (44.74)		
			-10 °C (14°F)	168.90 (99.36)	98.91 (28.18)	27.14 (36.39)	40 (29.83)	94.21 (26.84)	29.34 (39.34)	50 (37.29)		204.06 (120.11)	119.52 (34.05)	32.79 (43.98)	50 (37.29)	113.84 (32.43)	35.45 (47.54)	60 (44.74)		
			-15 °C (5°F)	168.90 (99.36)	76.27 (21.73)	24.98 (33.50)	40 (29.83)	71.71 (20.43)	26.54 (35.59)	40 (29.83)		204.06 (120.11)	92.16 (26.26)	30.18 (40.48)	50 (37.29)	86.65 (24.69)	32.07 (43.00)	50 (37.29)		
			-20 °C (-4°F)	168.90 (99.36)	58.58 (16.69)	22.58 (30.28)	40 (29.83)					204.06 (120.11)	70.78 (20.17)	27.28 (36.59)	40 (29.83)					
			454XL	60.10	1200	5 °C (41°F)	337.80 (198.73)	384.87 (109.65)	57.06 (76.52)	100 (74.57)		368.87 (105.09)	64.22 (86.12)	100 (74.57)	1450	408.11 (240.21)	465.05 (132.49)	68.95 (92.46)	100 (74.57)	445.72 (126.99)
47.58	0 °C (32°F)	337.80 (198.73)	313.37 (89.28)	56.91 (76.32)	100 (74.57)	302.32 (86.13)	63.47 (85.11)	100 (74.57)	408.11 (240.21)	378.66 (107.88)	68.77 (92.22)	100 (74.57)	365.30 (104.08)	76.69 (102.85)		120 (89.49)				
36.75	-5 °C (23°F)	337.80 (198.73)	252.37 (71.90)	55.24 (74.08)	100 (74.57)	242.51 (69.09)	60.69 (81.39)	100 (74.57)	408.11 (240.21)	304.95 (86.88)	66.75 (89.51)	100 (74.57)	293.03 (83.49)	73.33 (98.34)		120 (89.49)				
27.46	-10 °C (14°F)	337.80 (198.73)	198.42 (56.53)	51.90 (69.60)	100 (74.57)	188.70 (53.76)	56.05 (75.16)	100 (74.57)	408.11 (240.21)	239.76 (68.31)	62.71 (84.10)	100 (74.57)	228.01 (64.96)	67.73 (90.82)		100 (74.57)				
19.55	-15 °C (5°F)	337.80 (198.73)	152.93 (43.57)	47.72 (63.99)	75 (55.93)	138.01 (39.32)	50.72 (68.02)	75 (55.93)	408.11 (240.21)	184.79 (52.65)	57.66 (77.32)	100 (74.57)	166.76 (47.51)	61.29 (82.19)		100 (74.57)				
12.87	-20 °C (-4°F)	337.80 (198.73)	116.64 (33.23)	43.12 (57.82)	75 (55.93)				408.11 (240.21)	140.94 (40.15)	52.10 (69.87)	75 (55.93)								
456XL	60.10	1200	5 °C (41°F)	506.60 (298.03)	577.08 (164.41)	83.91 (112.52)	120 (89.49)	552.93 (157.53)	94.41 (126.60)	150 (111.86)	1450	612.17 (360.32)	697.31 (198.66)	101.39 (135.97)		150 (111.86)	668.12 (190.35)	114.08 (152.98)	180 (134.23)	
47.58	0 °C (32°F)	506.60 (298.03)	469.78 (133.84)	83.67 (112.20)	120 (89.49)	453.21 (129.12)	93.31 (125.13)	150 (111.86)	612.17 (360.32)	567.65 (161.72)		101.10 (135.58)	150 (111.86)	547.63 (156.02)	112.75 (151.20)	180 (134.23)				
36.75	-5 °C (23°F)	506.60 (298.03)	378.17 (107.74)	81.24 (108.94)	120 (89.49)	363.46 (103.55)	89.22 (119.64)	150 (111.86)	612.17 (360.32)	456.96 (130.19)		98.17 (131.64)	150 (111.86)	439.18 (125.12)	107.81 (144.57)	180 (134.23)				
27.46	-10 °C (14°F)	506.60 (298.03)	297.33 (84.71)	76.30 (102.32)	120 (89.49)	282.91 (80.60)	82.38 (110.47)	120 (89.49)	612.17 (360.32)	359.27 (102.36)		92.20 (123.63)	150 (111.86)	341.85 (97.39)	99.54 (133.49)	150 (111.86)				
19.55	-15 °C (5°F)	506.60 (298.03)	229.20 (65.30)	70.17 (94.10)	120 (89.49)	215.09 (61.28)	74.55 (99.97)	120 (89.49)	612.17 (360.32)	276.95 (78.90)		84.79 (113.70)	150 (111.86)	259.90 (74.05)	90.08 (120.80)	150 (111.86)				
12.87	-20 °C (-4°F)	506.60 (298.03)	174.90 (49.83)	63.35 (84.95)	100 (74.57)				612.17 (360.32)	211.34 (60.21)		76.55 (102.65)	120 (89.49)							
458XL	60.10	1200	5 °C (41°F)	675.50 (397.40)	767.53 (218.67)	111.81 (149.94)	180 (134.23)	735.45 (209.53)	125.85 (168.76)	215 (160.33)		1450	816.23 (480.43)	927.43 (264.23)	135.10 (181.17)	215 (160.33)	888.67 (253.18)	152.07 (203.92)	270 (201.34)	
47.58	0 °C (32°F)	675.50 (397.40)	624.96 (178.05)	111.54 (149.58)	180 (134.23)	602.84 (171.75)	124.41 (166.83)	215 (160.33)	816.23 (480.43)	755.16 (215.15)	134.78 (180.74)		215 (160.33)	728.43 (207.53)	150.33 (201.59)	270 (201.34)				
36.75	-5 °C (23°F)	675.50 (397.40)	503.26 (143.38)	108.28 (145.20)	180 (134.23)	483.57 (137.77)	118.98 (159.55)	180 (134.23)	816.23 (480.43)	608.11 (173.25)	130.84 (175.45)		215 (160.33)	584.31 (166.47)	143.77 (192.79)	215 (160.33)				
27.46	-10 °C (14°F)	675.50 (397.40)	395.72 (112.74)	101.73 (136.42)	150 (111.86)	376.24 (107.19)	109.86 (147.32)	180 (134.23)	816.23 (480.43)	478.16 (136.23)	122.92 (164.84)		215 (160.33)	454.62 (129.52)	132.75 (178.01)	215 (160.33)				
19.55	-15 °C (5°F)	675.50 (397.40)	305.12 (86.93)	93.51 (125.40)	150 (111.86)	286.06 (81.50)	99.40 (133.30)	150 (111.86)	816.23 (480.43)	368.69 (105.04)	112.99 (151.52)		180 (134.23)	345.66 (98.48)	120.11 (161.07)	180 (134.23)				
12.87	-20 °C (-4°F)	675.50 (397.40)	232.54 (66.25)	84.50 (113.31)	150 (111.86)				816.23 (480.43)	280.99 (80.05)	102.10 (136.92)		150 (111.86)							
4512XL	60.10	1200	5 °C (41°F)	1013.30 (596.12)	1154.30 (328.86)	167.83 (225.06)	270 (201.34)	1106.21 (315.16)	188.86 (253.26)	300 (223.71)	1450		1224.34 (720.65)	1394.78 (397.37)	202.79 (271.95)	300 (223.71)	1336.67 (380.82)	228.21 (306.02)	335 (249.81)	
47.58	0 °C (32°F)	1013.30 (596.12)	939.77 (267.74)	167.38 (224.46)	270 (201.34)	924.11 (263.28)	186.66 (250.31)	300 (223.71)	1224.34 (720.65)	1135.56 (323.52)		202.25 (271.22)	300 (223.71)	1116.63 (318.13)	225.55 (302.46)	335 (249.81)				
36.75	-5 °C (23°F)	1013.30 (596.12)	756.69 (215.58)	162.47 (217.87)	270 (201.34)	727.13 (207.16)	178.49 (239.36)	270 (201.34)	1224.34 (720.65)	914.33 (260.49)		196.32 (263.26)	300 (223.71)	878.60 (250.31)	215.68 (289.22)	335 (249.81)				
27.46	-10 °C (14°F)	1013.30 (596.12)	594.94 (169.50)	152.66 (204.72)	270 (201.34)	566.02 (161.26)	164.84 (221.05)	270 (201.34)	1224.34 (720.65)	718.89 (204.81)		184.46 (247.37)	270 (201.34)	683.94 (194.85)	199.18 (267.10)	300 (223.71)				
19.55	-15 °C (5°F)	1013.30 (596.12)	458.79 (130.71)	140.34 (188.20)	215 (160.33)	430.19 (122.56)	149.15 (200.01)	270 (201.34)	1224.34 (720.65)	554.37 (157.94)		169.58 (227.40)	270 (201.34)	519.81 (148.09)	180.22 (241.68)	270 (201.34)				
12.87	-20 °C (-4°F)	1013.30 (596.12)	349.88 (99.68)	126.78 (170.01)	215 (160.33)				1224.34 (720.65)	422.77 (120.45)		153.19 (205.43)	270 (201.34)							
4516XL	60.10	1200	5 °C (41°F)	1351.00 (794.79)	1540.71 (438.95)	223.99 (300.37)	335 (249.81)	1476.48 (420.65)	252.13 (338.11)	425 (316.93)		1450	1632.46 (960.87)	1861.69 (530.40)	270.65 (362.95)	425 (316.93)	1784.08 (508.28)	304.66 (408.56)	475 (354.21)	
47.58	0 °C (32°F)	1351.00 (794.79)	1254.58 (357.43)	223.43 (299.62)	335 (249.81)	1210.18 (344.78)	249.23 (334.22)	425 (316.93)	1632.46 (960.87)	1515.95 (431.89)	269.98 (362.04)		425 (316.93)	1462.30 (416.61)	301.15 (403.85)	475 (354.21)				
36.75	-5 °C (23°F)	1351.00 (794.79)	1010.11 (287.78)	216.89 (290.85)	335 (249.81)	970.76 (276.57)	238.27 (319.52)	335 (249.81)	1632.46 (960.87)	1220.55 (347.73)	262.08 (351.44)		425 (316.93)	1173.00 (334.19)	287.91 (386.09)	425 (316.93)				
27.46	-10 °C (14°F)	1351.00 (794.79)	794.35 (226.31)	203.76 (273.24)	300 (223.71)	755.32 (215.19)	220.05 (295.09)	335 (249.81)	1632.46 (960.87)	959.84 (273.46)	246.21 (330.17)		425 (316.93)	912.68 (260.02)	265.89 (356.56)	425 (316.93)				
19.55	-15 °C (5°F)	1351.00 (794.79)	612.07 (174.38)	187.39 (251.29)	300 (223.71)	573.92 (163.51)	199.10 (266.99)	300 (223.71)	1632.46 (960.87)	739.58 (210.71)	226.43 (303.64)		335 (249.81)	693.49 (197.57)	240.58 (322.62)	425 (316.93)				
12.87	-20 °C (-4°F)	1351.00 (794.79)	466.90 (133.02)	169.29 (227.02)	270 (201.34)				1632.46 (960.87)	564.17 (160.73)	204.56 (274.31)		335 (249.81)							

Note: Liquid Subcooling: 0°C, Superheat: 0°C  
 For any condition outside the range given above please contact us  
 Qo: Cooling Capacity  
 For data regarding other refrigerants, please contact us.