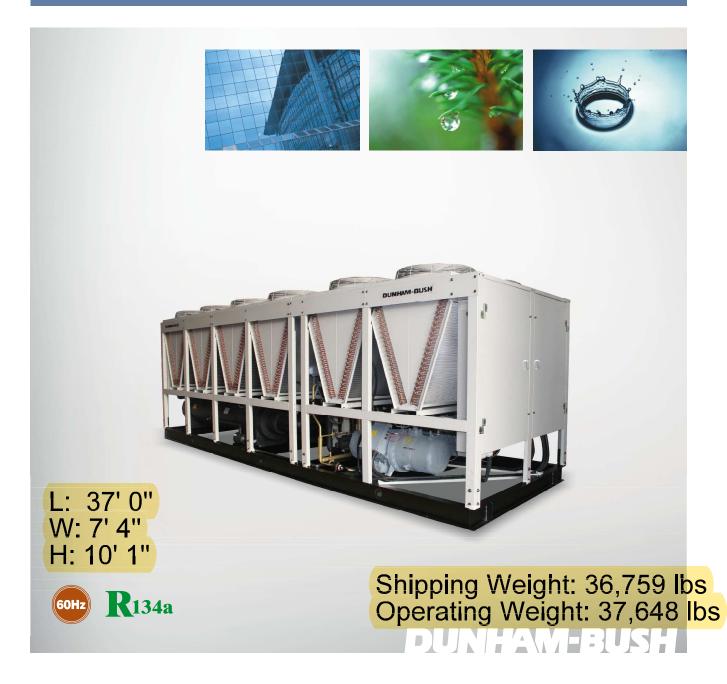


# 515 Tons

#### **AFHX Series**

Air Cooled Screw Flooded Chillers Cooling Capacity: 208 to 557 Tons (732 to 1959 kW)



Products that perform...By people who care

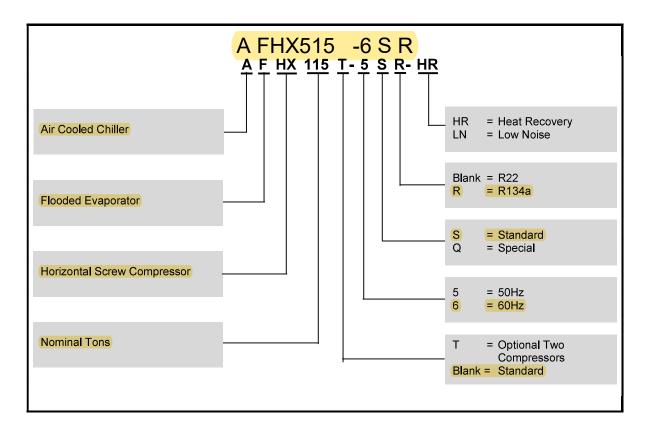


# **TABLE OF CONTENT**

#### PAGE NO

Nomenclature	2
Advantages of Flooded Chiller	3
Unit Features	
Operating Benefits	8
Typical Sequence of Operation	9
Application Data	
Physical Specifications	11
Performance Data	12
Dimensional Data	13
Dimensional Clearance	
Floor Loading Diagram	17
Condenser Fan	
Sound Pressure Level at 10M- Free Field	
Pressure Drop	
Electrical Data	19
Typical Wiring Schematic	20

### NOMENCLATURE



# PHYSICAL SPECIFICATIONS

MODEL AFHX		210-6SR	220-6SR	235-6SR	260-6SR	280-6SR	310-6SR
			COMPRESSO				
MODEL (QTY)		HX 1817 X 1	HX 1709 X 1 HX 1711 X 1	HX 1711 X 2	HX 1711 X 1 HX 1811 X 1	HX 1811 X 2	HX 1813 X 2
RPM		3550	3550	3550	3550	3550	3550
NOMINAL CAPACITY	TR	208	220	235	257	280	309
MIN. % UNIT CAPACITY REDU	CTION	25%	12.5%	12.5%	12.5%	12.5%	12.5%
			EVAPORATO	R			
MODEL (QTY)		L1R (1)	D2R (2)	J1R (2)	J1R (2)	K1R (2)	K2R (2)
WATER CONNECTOR	INCH[MM]	8[203]	8[203]	8[203]	8[203]	8[203]	8[203]
NOM. WATER FLOW / PD	GPM / FT IN WG	499/ 14.67	529/ 7.2	565/ 9.63	618/ 11.16	673/ 11.25	743/ 11.53
MIN/ MAX WATER FLOW	GPM	159/ 787	235/ 1174	236/ 1174	236/ 1174	257/ 1281	283/ 1409
MİN/ MAX WATER PD	FT IN WG.	1.89/ 33.28	1.65/ 30.52	1.96/ 35.56	1.96/ 35.56	1.99/ 36.06	2.02/ 36.77
			CONDENSE	२			
COIL ROWS DEEP/ TOTAL FA	(SQ.FT)	4/ 282.3	4/ 282.3	4/ 282.3	4/ 141.2, 3/ 188.2	3/ 376.4	4/ 188.2, 3/ 188.2
NO. OF FAN		12	12	12	14	16	16
FAN DIA.	MM	800(12)	800(12)	800(12)	860(14)	860(16)	860(16)
MOTOR kWI (QTY)		2.0(12)	2.0(12)	2.0(12)	3.0(14)	3.0(16)	3.0(16)
FLA, AMP (QTY)		3.8(12)	3.8(12)	3.8(12)	4.9(14)	4.9(16)	4.9(16)
TOTAL CFM		157500	156177	153594	230034	265944	257460
MIN. AMBIENT TEMP. (F) AT M	IIN. LUAD	45	45 ELECTRICA	45	45	45	45
		100000-			1001015-	10000-	100101
NOM. VOLTAGE		460/3/60	460/3/60	460/3/60	460/3/60	460/3/60	460/3/60
UNT RLA UNIT MAX. INRUSH	A	341.3	366.5	394.5	449.8	488.5	508.3
UNIT MAX. INRUSH	A	530.1	416.2 GENERAL	444.2	494.5	524.3	653.1
		276[7010]	276[7010]	276[7010]	318[8077]	360[9144]	381[9677]
UNIT WIDTH UNIT HEIGHT	INCH[MM]	88[2235]	88[2235]	88[2235] 96.5[2451]	88[2235]	88[2235]	88[2235]
SHIPPING WEIGHT	LBS[KG]	96.5[2451] 17199[7801]	96.5[2451] 18690[8478]	19596[8889]	96.5[2451] 21328[9674]	96.5[2451] 23645[10725]	96.5[2451] 25162[11413]
OPERATING WEIGHT	LBS[KG]	17542[7957]	19107[8667]	20099[9117]	21831[9827]	24205[10979]	25768[11688]
OPERATING CHARGE R134a	LBS[KG]	567[257]	600[272]	642[291]	703[319]	794[360]	877[398]
		001[201]	000[212]	042[201]			
MODEL AFHX		355-6SR	405-6SR	435-6SR	460-6SR	515-6SR	555-6SR
				435-6SR	460-6SR	515-6SR	555-6SR
		<b>355-6SR</b> HX 1813 X 1	405-6SR	435-6SR	460-6SR HX 1813 X 3	HX 1816 X 1	HX 1816 X 2
MODEL AFHX MODEL (QTY)		<b>355-6SR</b> HX 1813 X 1 HX 1816 X 1	405-6SR COMPRESSC HX 1816 X 2	435-6SR R HX 1817 X 2	HX 1813 X 3	HX 1816 X 1 HX 1813 X 2	HX 1816 X 2 HX 1813 X 1
MODEL AFHX MODEL (QTY) RPM		<b>355-6SR</b> HX 1813 X 1 HX 1816 X 1 3550	405-6SR COMPRESSC HX 1816 X 2 3550	<b>435-6SR</b> <b>R</b> HX 1817 X 2 3550	HX 1813 X 3 3550	HX 1816 X 1 HX 1813 X 2 3550	HX 1816 X 2 HX 1813 X 1 3550
MODEL AFHX MODEL (QTY) RPM NOMINAL CAPACITY	TR	<b>355-6SR</b> HX 1813 X 1 HX 1816 X 1 3550 355	405-6SR COMPRESSC HX 1816 X 2 3550 402	<b>435-6SR</b> <b>R</b> HX 1817 X 2 <u>3550</u> 434	HX 1813 X 3 3550 460	HX 1816 X 1 HX 1813 X 2 3550 512	HX 1816 X 2 HX 1813 X 1 3550 557
MODEL AFHX MODEL (QTY) RPM	TR	<b>355-6SR</b> HX 1813 X 1 HX 1816 X 1 3550	405-6SR COMPRESSC HX 1816 X 2 3550 402 12.5%	<b>435-6SR</b> <b>R</b> HX 1817 X 2 3550 434 12.5%	HX 1813 X 3 3550	HX 1816 X 1 HX 1813 X 2 3550	HX 1816 X 2 HX 1813 X 1 3550
MODEL AFHX MODEL (QTY) RPM NOMINAL CAPACITY MIN. % UNIT CAPACITY REDU	TR	355-6SR HX 1813 X 1 HX 1816 X 1 3550 355 12.5%	405-6SR COMPRESSC HX 1816 X 2 3550 402 12.5% EVAPORATO	435-6SR R HX 1817 X 2 3550 434 12.5% R	HX 1813 X 3 3550 460 8.33%	HX 1816 X 1 HX 1813 X 2 3550 512 8.33%	HX 1816 X 2 HX 1813 X 1 3550 557 8.33%
MODEL AFHX MODEL (QTY) RPM NOMINAL CAPACITY MIN. % UNIT CAPACITY REDU MODEL (QTY)	TR CTION	355-6SR HX 1813 X 1 HX 1816 X 1 3550 355 12.5% L2R (2)	405-6SR COMPRESSC HX 1816 X 2 3550 402 12.5% EVAPORATO L3R (2)	435-6SR R HX 1817 X 2 3550 434 12.5% R M1R (2)	HX 1813 X 3 3550 460 8.33% L2R (1), M2R (1)	HX 1816 X 1 HX 1813 X 2 3550 512 8.33% L3R (1), M2R (1)	HX 1816 X 2 HX 1813 X 1 3550 557 8.33% L3R (1), M3R (1)
MODEL AFHX MODEL (QTY) RPM NOMINAL CAPACITY MIN. % UNIT CAPACITY REDU MODEL (QTY) WATER CONNECTOR	TR CTION INCH[MM]	355-6SR HX 1813 X 1 HX 1816 X 1 3550 355 12.5% L2R (2) 10[254]	405-6SR COMPRESSC HX 1816 X 2 3550 402 12.5% EVAPORATO L3R (2) 10[254]	435-6SR R HX 1817 X 2 3550 434 12.5% R M1R (2) 12[305]	HX 1813 X 3 3550 460 8.33% L2R (1), M2R (1) 12[305]	HX 1816 X 1 HX 1813 X 2 3550 512 8.33% L3R (1), M2R (1) 12[305]	HX 1816 X 2 HX 1813 X 1 3550 557 8.33% L3R (1), M3R (1) 12[305]
MODEL AFHX MODEL (QTY) RPM NOMINAL CAPACITY MIN. % UNIT CAPACITY REDU MODEL (QTY)	TR CTION	355-6SR HX 1813 X 1 HX 1816 X 1 3550 355 12.5% L2R (2)	405-6SR COMPRESSC HX 1816 X 2 3550 402 12.5% EVAPORATO L3R (2)	435-6SR R HX 1817 X 2 3550 434 12.5% R M1R (2)	HX 1813 X 3 3550 460 8.33% L2R (1), M2R (1)	HX 1816 X 1 HX 1813 X 2 3550 512 8.33% L3R (1), M2R (1)	HX 1816 X 2 HX 1813 X 1 3550 557 8.33% L3R (1), M3R (1)
MODEL AFHX MODEL (QTY) RPM NOMINAL CAPACITY MIN. % UNIT CAPACITY REDU MODEL (QTY) WATER CONNECTOR NOM. WATER FLOW / PD	TR CTION INCH[MM] GPM / FT IN WG	355-6SR HX 1813 X 1 HX 1816 X 1 3550 355 12.5% L2R (2) 10[254] 852/ 9.02	405-6SR COMPRESSC HX 1816 X 2 3550 402 12.5% EVAPORATO L3R (2) 10[254] 966/ 10.03	435-6SR R HX 1817 X 2 3550 434 12.5% R M1R (2) 12[305] 1042/ 9.17	HX 1813 X 3 3550 460 8.33% L2R (1), M2R (1) 12[305] 1104/ 11.89	HX 1816 X 1 HX 1813 X 2 3550 512 8.33% L3R (1), M2R (1) 12[305] 1231/ 14.45	HX 1816 X 2 HX 1813 X 1 3550 557 8.33% L3R (1), M3R (1) 12[305] 1337/ 14.95
MODEL AFHX MODEL (QTY) RPM NOMINAL CAPACITY MIN. % UNIT CAPACITY REDU MODEL (QTY) WATER CONNECTOR NOM. WATER FLOW / PD MIN/ MAX WATER FLOW	TR CTION INCH[MM] GPM / FT IN WG GPM	355-6SR HX 1813 X 1 HX 1816 X 1 3550 355 12.5% L2R (2) 10[254] 852/ 9.02 365/ 1810	405-6SR COMPRESSC HX 1816 X 2 3550 402 12.5% EVAPORATO L3R (2) 10[254] 966/ 10.03 390/ 1948	435-6SR R HX 1817 X 2 3550 434 12.5% R M1R (2) 12[305] 1042/ 9.17 436/ 2173 1.93/ 34.47	HX 1813 X 3 3550 460 8.33% L2R (1), M2R (1) 12[305] 1104/ 11.89 411/ 2040	HX 1816 X 1 HX 1813 X 2 3550 512 8.33% L3R (1), M2R (1) 12[305] 1231/ 14.45 423/ 2109	HX 1816 X 2 HX 1813 X 1 3550 557 8.33% L3R (1), M3R (1) 12[305] 1337/ 14.95 439/ 2184
MODEL AFHX MODEL (QTY) RPM NOMINAL CAPACITY MIN. % UNIT CAPACITY REDU MODEL (QTY) WATER CONNECTOR NOM. WATER FLOW / PD MIN/ MAX WATER FLOW MIN/ MAX WATER PD	TR CTION INCH[MM] GPM / FT IN WG GPM FT IN WG.	355-6SR HX 1813 X 1 HX 1816 X 1 3550 355 12.5% L2R (2) 10[254] 852/ 9.02 365/ 1810	405-6SR COMPRESSC HX 1816 X 2 3550 402 12.5% EVAPORATO L3R (2) 10[254] 966/ 10.03 390/ 1948 1.96/ 35.59	435-6SR R HX 1817 X 2 3550 434 12.5% R M1R (2) 12[305] 1042/ 9.17 436/ 2173 1.93/ 34.47	HX 1813 X 3 3550 460 8.33% L2R (1), M2R (1) 12[305] 1104/ 11.89 411/ 2040	HX 1816 X 1 HX 1813 X 2 3550 512 8.33% L3R (1), M2R (1) 12[305] 1231/ 14.45 423/ 2109	HX 1816 X 2 HX 1813 X 1 3550 557 8.33% L3R (1), M3R (1) 12[305] 1337/ 14.95 439/ 2184
MODEL AFHX MODEL (QTY) RPM NOMINAL CAPACITY MIN. % UNIT CAPACITY REDU MODEL (QTY) WATER CONNECTOR NOM. WATER FLOW / PD MIN/ MAX WATER FLOW	TR CTION INCH[MM] GPM / FT IN WG GPM FT IN WG.	355-6SR HX 1813 X 1 HX 1816 X 1 3550 355 12.5% L2R (2) 10[254] 852/ 9.02 365/ 1810 1.96/ 35.14	405-6SR COMPRESSC HX 1816 X 2 3550 402 12.5% EVAPORATO L3R (2) 10[254] 966/ 10.03 390/ 1948 1.96/ 35.59 CONDENSE	435-6SR R HX 1817 X 2 3550 434 12.5% R M1R (2) 12[305] 1042/ 9.17 436/ 2173 1.93/ 34.47 R	HX 1813 X 3 3550 460 8.33% L2R (1), M2R (1) 12[305] 1104/ 11.89 411/ 2040 1.95/ 34.81	HX 1816 X 1 HX 1813 X 2 3550 512 8.33% L3R (1), M2R (1) 12[305] 1231/ 14.45 423/ 2109 1.94/ 35.04	HX 1816 X 2 HX 1813 X 1 3550 557 8.33% L3R (1), M3R (1) 12[305] 1337/ 14.95 439/ 2184 1.97/ 35.22
MODEL AFHX MODEL (QTY) RPM NOMINAL CAPACITY MIN. % UNIT CAPACITY REDU MODEL (QTY) WATER CONNECTOR NOM. WATER FLOW / PD MIN/ MAX WATER FLOW MIN/ MAX WATER PD COIL ROWS DEEP/ TOTAL FA	TR CTION INCH[MM] GPM / FT IN WG GPM FT IN WG.	355-6SR HX 1813 X 1 HX 1816 X 1 3550 355 12.5% L2R (2) 10[254] 852/ 9.02 365/ 1810 1.96/ 35.14 4/ 188.2, 3/ 235.3	405-6SR COMPRESSC HX 1816 X 2 3550 402 12.5% EVAPORATO L3R (2) 10[254] 966/ 10.03 390/ 1948 1.96/ 35.59 CONDENSEI 4/ 235.3, 3/ 235.3	435-6SR R HX 1817 X 2 3550 434 12.5% R M1R (2) 12[305] 1042/ 9.17 436/ 2173 1.93/ 34.47 R 4/ 470.6	HX 1813 X 3 3550 460 8.33% L2R (1), M2R (1) 12[305] 1104/ 11.89 411/ 2040 1.95/ 34.81 3/ 256.7, 4/ 385	HX 1816 X 1 HX 1813 X 2 3550 512 8.33% L3R (1), M2R (1) 12[305] 1231/ 14.45 423/ 2109 1.94/ 35.04 4/ 641.7	HX 1816 X 2 HX 1813 X 1 3550 557 8.33% L3R (1), M3R (1) 12[305] 1337/ 14.95 439/ 2184 1.97/ 35.22 4/ 641.7
MODEL AFHX MODEL (QTY) RPM NOMINAL CAPACITY MIN. % UNIT CAPACITY REDU MODEL (QTY) WATER CONNECTOR NOM. WATER FLOW / PD MIN/ MAX WATER FLOW MIN/ MAX WATER FLOW MIN/ MAX WATER PD COIL ROWS DEEP/ TOTAL FA NO. OF FAN	TR CTION INCH[MM] GPM / FT IN WG GPM FT IN WG. (SQ.FT)	355-6SR HX 1813 X 1 HX 1816 X 1 3550 355 12.5% L2R (2) 10[254] 852/ 9.02 365/ 1810 1.96/ 35.14 4/ 188.2, 3/ 235.3 18	405-6SR COMPRESSC HX 1816 X 2 3550 402 12.5% EVAPORATO L3R (2) 10[254] 966/ 10.03 390/ 1948 1.96/ 35.59 CONDENSE! 4/ 235.3, 3/ 235.3 20	435-6SR R HX 1817 X 2 3550 434 12,5% R M1R (2) 12[305] 1042/ 9.17 436/ 2173 1,93/ 34.47 R 4/ 470.6 20	HX 1813 X 3 3550 460 8.33% L2R (1), M2R (1) 12[305] 1104/ 11.89 411/ 2040 1.95/ 34.81 3/ 256.7, 4/ 385 20	HX 1816 X 1 HX 1813 X 2 3550 512 8.33% L3R (1), M2R (1) 12[305] 1231/ 14.45 423/ 2109 1.94/ 35.04 4/ 641.7 20	HX 1816 X 2 HX 1813 X 1 3550 557 8.33% L3R (1), M3R (1) 12[305] 1337/ 14.95 439/ 2184 1.97/ 35.22 4/ 641.7 20
MODEL AFHX MODEL (QTY) RPM NOMINAL CAPACITY MIN. % UNIT CAPACITY REDU MODEL (QTY) WATER CONNECTOR NOM. WATER FLOW / PD MIN/ MAX WATER FLOW MIN/ MAX WATER FLOW MIN/ MAX WATER PD COIL ROWS DEEP/ TOTAL FA NO. OF FAN FAN DIA.	TR CTION INCH[MM] GPM / FT IN WG GPM FT IN WG. (SQ.FT)	355-6SR HX 1813 X 1 HX 1816 X 1 3550 355 12.5% L2R (2) 10[254] 852/ 9.02 365/ 1810 1.96/ 35.14 4/ 188.2, 3/ 235.3 18 860(18)	405-6SR COMPRESSC HX 1816 X 2 3550 402 12.5% EVAPORATO L3R (2) 10[254] 966/ 10.03 390/ 1948 1.96/ 35.59 CONDENSE 4/ 235.3, 3/ 235.3 20 860(20)	435-6SR R HX 1817 X 2 3550 434 12.5% R M1R (2) 12[305] 1042/ 9.17 436/ 2173 1.93/ 34.47 R 4/ 470.6 20 860(20)	HX 1813 X 3 3550 460 8.33% L2R (1), M2R (1) 12[305] 1104/ 11.89 411/ 2040 1.95/ 34.81 3/ 256.7, 4/ 385 20 860(20)	HX 1816 X 1 HX 1813 X 2 3550 512 8.33% L3R (1), M2R (1) 12[305] 1231/ 14.45 423/ 2109 1.94/ 35.04 4/ 641.7 20 860(20)	HX 1816 X 2 HX 1813 X 1 3550 557 8.33% L3R (1), M3R (1) 12[305] 1337/ 14.95 439/ 2184 1.97/ 35.22 4/ 641.7 20 860(20)
MODEL AFHX MODEL (QTY) RPM NOMINAL CAPACITY MIN. % UNIT CAPACITY REDU MODEL (QTY) WATER CONNECTOR NOM. WATER FLOW / PD MIN/ MAX WATER FLOW / PD MIN/ MAX WATER FLOW MIN/ MAX WATER PD COIL ROWS DEEP/ TOTAL FA NO. OF FAN FAN DIA. MOTOR KWI (QTY)	TR CTION INCH[MM] GPM / FT IN WG GPM FT IN WG. (SQ.FT)	355-6SR HX 1813 X 1 HX 1816 X 1 3550 355 12.5% L2R (2) 10[254] 852/ 9.02 365/ 1810 1.96/ 35.14 4/ 188.2, 3/ 235.3 18 8660(18) 3.0(18)	405-6SR COMPRESSC HX 1816 X 2 3550 402 12.5% EVAPORATO L3R (2) 10[254] 966/ 10.03 390/ 1948 1.96/ 35.59 CONDENSE 4/ 235.3, 3/ 235.3 20 860(20) 3.0(20)	435-6SR R HX 1817 X 2 3550 434 12.5% R M1R (2) 12[305] 1042/ 9.17 436/ 2173 1.93/ 34.47 R 4/ 470.6 20 860(20) 3.0(20)	HX 1813 X 3 3550 460 8.33% L2R (1), M2R (1) 12[305] 1104/ 11.89 411/ 2040 1.95/ 34.81 3/ 256.7, 4/ 385 20 860(20) 3.0(20)	HX 1816 X 1 HX 1813 X 2 3550 512 8.33% L3R (1), M2R (1) 12[305] 1231/ 14.45 423/ 2109 1.94/ 35.04 4/ 641.7 20 860(20) 4.0(20)	HX 1816 X 2 HX 1813 X 1 3550 557 8.33% L3R (1), M3R (1) 12[305] 1337/ 14.95 439/ 2184 1.97/ 35.22 4/ 641.7 20 860(20) 4.0(20)
MODEL AFHX MODEL (QTY) RPM NOMINAL CAPACITY MIN. % UNIT CAPACITY REDU MODEL (QTY) WATER CONNECTOR NOM. WATER FLOW / PD MIN/ MAX WATER FLOW MIN/ MAX WATER FLOW MIN/ MAX WATER FLOW MIN/ MAX WATER PD COIL ROWS DEEP/ TOTAL FA NO. OF FAN FAN DIA. MOTOR kWI (QTY) FLA, AMP (QTY)	TR CTION INCH[MM] GPM / FT IN WG GPM FT IN WG. (SQ.FT) MM	355-6SR HX 1813 X 1 HX 1816 X 1 3550 355 12.5% L2R (2) 10[254] 852/ 9.02 365/ 1810 1.96/ 35.14 4/ 188.2, 3/ 235.3 18 860(18) 3.0(18) 4.9(18)	405-6SR COMPRESSC HX 1816 X 2 3550 402 12.5% EVAPORATO L3R (2) 10[254] 966/ 10.03 390/ 1948 1.96/ 35.59 CONDENSE 4/ 235.3, 3/ 235.3 20 860(20) 3.0(20) 4.9(20)	435-6SR R HX 1817 X 2 3550 434 12.5% R M1R (2) 12[305] 1042/ 9.17 436/ 2173 1.93/ 34.47 R 4/ 470.6 20 860(20) 3.0(20) 4.9(20)	HX 1813 X 3 3550 460 8.33% L2R (1), M2R (1) 12[305] 1104/ 11.89 411/ 2040 1.95/ 34.81 3/ 256.7, 4/ 385 20 860(20) 3.0(20) 4.9(20)	HX 1816 X 1 HX 1813 X 2 3550 512 8.33% L3R (1), M2R (1) 12[305] 1231/ 14.45 423/ 2109 1.94/ 35.04 4/ 641.7 20 860(20) 4.0(20) 6.5(20)	HX 1816 X 2 HX 1813 X 1 3550 557 8.33% L3R (1), M3R (1) 12[305] 1337/ 14.95 439/ 2184 1.97/ 35.22 4/ 641.7 20 860(20) 4.0(20) 6.5(20)
MODEL AFHX MODEL (QTY) RPM NOMINAL CAPACITY MIN. % UNIT CAPACITY REDU MODEL (QTY) WATER CONNECTOR NOM. WATER FLOW / PD MIN/ MAX WATER FLOW MIN/ MAX WATER FLOW MIN/ MAX WATER FLOW MIN/ MAX WATER PD COIL ROWS DEEP/ TOTAL FA NO. OF FAN FAN DIA MOTOR kWI (QTY) FLA, AMP (QTY) TOTAL CFM	TR CTION INCH[MM] GPM / FT IN WG GPM FT IN WG. (SQ.FT) MM	355-6SR HX 1813 X 1 HX 1816 X 1 3550 355 12.5% L2R (2) 10[254] 852/ 9.02 365/ 1810 1.96/ 35.14 4/ 188.2, 3/ 235.3 18 860(18) 3.0(18) 4.9(18) 289863	405-6SR COMPRESSC HX 1816 X 2 3550 402 12.5% EVAPORATO L3R (2) 10[254] 966/ 10.03 390/ 1948 1.96/ 35.59 CONDENSE 4/ 235.3, 3/ 235.3 20 860(20) 3.0(20) 4.9(20) 316260	435-6SR R HX 1817 X 2 3550 434 12.5% R M1R (2) 12[305] 1042/ 9.17 436/ 2173 1.93/ 34.47 R 4/ 470.6 20 860(20) 3.0(20) 4.9(20) 309225 45	HX 1813 X 3 3550 460 8,33% L2R (1), M2R (1) 12[305] 1104/ 11.89 411/ 2040 1.95/ 34.81 3/ 256.7, 4/ 385 20 860(20) 3.0(20) 4.9(20) 347340	HX 1816 X 1 HX 1813 X 2 3550 512 8.33% L3R (1), M2R (1) 12[305] 1231/ 14.45 423/ 2109 1.94/ 35.04 4/ 641.7 20 860(20) 4.0(20) 6.5(20) 381612	HX 1816 X 2 HX 1813 X 1 3550 557 8.33% L3R (1), M3R (1) 12[305] 1337/ 14.95 439/ 2184 1.97/ 35.22 4/ 641.7 20 860(20) 4.0(20) 6.5(20) 373422
MODEL AFHX MODEL (QTY) RPM NOMINAL CAPACITY MIN. % UNIT CAPACITY REDU MODEL (QTY) WATER CONNECTOR NOM. WATER FLOW / PD MIN/ MAX WATER FLOW MIN/ MAX WATER FLOW MIN/ MAX WATER FLOW MIN/ MAX WATER PD COIL ROWS DEEP/ TOTAL FA NO. OF FAN FAN DIA MOTOR kWI (QTY) FLA, AMP (QTY) TOTAL CFM	TR CTION INCH[MM] GPM / FT IN WG GPM FT IN WG. (SQ.FT) MM	355-6SR HX 1813 X 1 HX 1816 X 1 3550 355 12.5% L2R (2) 10[254] 852/ 9.02 365/ 1810 1.96/ 35.14 4/ 188.2, 3/ 235.3 18 860(18) 3.0(18) 4.9(18) 289863	405-6SR COMPRESSC HX 1816 X 2 3550 402 12.5% EVAPORATO L3R (2) 10[254] 966/ 10.03 390/ 1948 1.96/ 35.59 CONDENSE 4/ 235.3, 3/ 235.3 20 860(20) 3.0(20) 4.9(20) 316260 45	435-6SR R HX 1817 X 2 3550 434 12.5% R M1R (2) 12[305] 1042/ 9.17 436/ 2173 1.93/ 34.47 R 4/ 470.6 20 860(20) 3.0(20) 4.9(20) 309225 45	HX 1813 X 3 3550 460 8,33% L2R (1), M2R (1) 12[305] 1104/ 11.89 411/ 2040 1.95/ 34.81 3/ 256.7, 4/ 385 20 860(20) 3.0(20) 4.9(20) 347340	HX 1816 X 1 HX 1813 X 2 3550 512 8.33% L3R (1), M2R (1) 12[305] 1231/ 14.45 423/ 2109 1.94/ 35.04 4/ 641.7 20 860(20) 4.0(20) 6.5(20) 381612	HX 1816 X 2 HX 1813 X 1 3550 557 8.33% L3R (1), M3R (1) 12[305] 1337/ 14.95 439/ 2184 1.97/ 35.22 4/ 641.7 20 860(20) 4.0(20) 6.5(20) 373422
MODEL AFHX MODEL (QTY) RPM NOMINAL CAPACITY MIN. % UNIT CAPACITY REDU MODEL (QTY) WATER CONNECTOR NOM. WATER FLOW / PD MIN/ MAX WATER FLOW MIN/ MAX WATER FLOW MIN/ MAX WATER FLOW MIN/ MAX WATER PD COIL ROWS DEEP/ TOTAL FA NO. OF FAN FAN DIA. MOTOR kWI (QTY) FLA, AMP (QTY) TOTAL CFM MIN. AMBIENT TEMP. (F) AT M	TR CTION INCH[MM] GPM / FT IN WG GPM FT IN WG. (SQ.FT) MM	355-6SR HX 1813 X 1 HX 1816 X 1 3550 355 12.5% L2R (2) 10[254] 852/ 9.02 365/ 1810 1.96/ 35.14 4/ 188.2, 3/ 235.3 18 8660(18) 3.0(18) 4.9(18) 289863 45	405-6SR COMPRESSC HX 1816 X 2 3550 402 12.5% EVAPORATO L3R (2) 10[254] 966/ 10.03 390/ 1948 1.96/ 35.59 CONDENSE 4/ 235.3, 3/ 235.3 20 860(20) 3.0(20) 4.9(20) 316260 45 ELECTRICA	435-6SR R HX 1817 X 2 3550 434 12.5% R M1R (2) 12[305] 1042/ 9.17 436/ 2173 1.93/ 34.47 R 4/ 470.6 20 860(20) 3.0(20) 4.9(20) 309225 45 -	HX 1813 X 3 3550 460 8.33% L2R (1), M2R (1) 12[305] 1104/ 11.89 411/ 2040 1.95/ 34.81 3/ 256.7, 4/ 385 20 860(20) 3.0(20) 4.9(20) 347340 45	HX 1816 X 1 HX 1813 X 2 3550 512 8.33% L3R (1), M2R (1) 12[305] 1231/ 14.45 423/ 2109 1.94/ 35.04 4/ 641.7 20 860(20) 4.0(20) 6.5(20) 381612 45	HX 1816 X 2 HX 1813 X 1 3550 557 8.33% L3R (1), M3R (1) 12[305] 1337/ 14.95 439/ 2184 1.97/ 35.22 4/ 641.7 20 860(20) 4.0(20) 6.5(20) 373422 45
MODEL AFHX MODEL (QTY) RPM NOMINAL CAPACITY MIN. % UNIT CAPACITY REDU MODEL (QTY) WATER CONNECTOR NOM. WATER FLOW / PD MIN/ MAX WATER FLOW MIN/ AMBIENT TEMP. (F) AT M NOM. VOLTAGE	TR CTION INCH[MM] GPM / FT IN WG GPM FT IN WG. (SQ.FT) MM	355-6SR HX 1813 X 1 HX 1816 X 1 3550 355 12.5% L2R (2) 10[254] 852/ 9.02 365/ 1810 1.96/ 35.14 4/ 188.2, 3/ 235.3 18 8660(18) 3.0(18) 4.9(18) 289863 45 45	405-6SR COMPRESSC HX 1816 X 2 3550 402 12.5% EVAPORATO L3R (2) 10[254] 966/ 10.03 390/ 1948 1.96/ 35.59 CONDENSE 4/ 235.3, 3/ 235.3 20 860(20) 3.0(20) 4.9(20) 3.16260 45 ELECTRICA	435-6SR R HX 1817 X 2 3550 434 12.5% R M1R (2) 12[305] 1042/ 9.17 436/ 2173 1.93/ 34.47 R 4/ 470.6 20 860(20) 3.0(20) 4.9(20) 3.09225 45 - 460/3/60	HX 1813 X 3 3550 460 8.33% L2R (1), M2R (1) 12[305] 1104/ 11.89 411/ 2040 1.95/ 34.81 3/ 256.7, 4/ 385 20 860(20) 3.0(20) 4.9(20) 347340 45 460/3/60	HX 1816 X 1 HX 1813 X 2 3550 512 8.33% L3R (1), M2R (1) 12[305] 1231/ 14.45 423/ 2109 1.94/ 35.04 4/ 641.7 20 860(20) 4.0(20) 6.5(20) 381612 45 45	HX 1816 X 2 HX 1813 X 1 3550 557 8.33% L3R (1), M3R (1) 12[305] 1337/ 14.95 439/ 2184 1.97/ 35.22 4/ 641.7 20 860(20) 4.0(20) 6.5(20) 373422 45 45
MODEL AFHX MODEL (QTY) RPM NOMINAL CAPACITY MIN. % UNIT CAPACITY REDU MODEL (QTY) WATER CONNECTOR NOM. WATER FLOW / PD MIN/ MAX WATER FLOW MIN/ MAX	TR CTION INCH[MM] GPM / FT IN WG GPM FT IN WG. (SQ.FT) MM IN. LOAD	355-6SR HX 1813 X 1 HX 1816 X 1 3550 355 12.5% L2R (2) 10[254] 852/ 9.02 365/ 1810 1.96/ 35.14 4/ 188.2, 3/ 235.3 18 860(18) 3.0(18) 4.9(18) 289863 45 460/3/60 585.4	405-6SR COMPRESSC HX 1816 X 2 3550 402 12.5% EVAPORATO L3R (2) 10[254] 966/ 10.03 390/ 1948 1.96/ 35.59 CONDENSEL 4/ 235.3, 3/ 235.3 20 880(20) 3.0(20) 4.9(20) 316260 45 ELECTRICAL 460/3/60 655.8	435-6SR R HX 1817 X 2 3550 434 12.5% R M1R (2) 12[305] 1042/ 9.17 436/ 2173 1.93/ 34.47 R 4/ 470.6 20 860(20) 3.0(20) 4.9(20) 3.09225 45 - 460/3/60 695.7	HX 1813 X 3 3550 460 8.33% L2R (1), M2R (1) 12[305] 1104/ 11.89 411/ 2040 1.95/ 34.81 3/ 256.7, 4/ 385 20 860(20) 3.0(20) 4.9(20) 3.47340 45 460/3/60 755.4	HX 1816 X 1 HX 1813 X 2 3550 512 8.33% L3R (1), M2R (1) 12[305] 1231/14.45 423/2109 1.94/35.04 4/641.7 20 860(20) 4.0(20) 6.5(20) 381612 45 460/3/60 827.8	HX 1816 X 2 HX 1813 X 1 3550 557 8.33% L3R (1), M3R (1) 12[305] 1337/ 14.95 439/ 2184 1.97/ 35.22 4/ 641.7 20 860(20) 4.0(20) 6.5(20) 373422 45 460/3/60 896.9
MODEL AFHX MODEL (QTY) RPM NOMINAL CAPACITY MIN. % UNIT CAPACITY REDU MODEL (QTY) WATER CONNECTOR NOM. WATER FLOW / PD MIN/ MAX WATER FLOW MIN/ MAX	TR CTION INCH[MM] GPM / FT IN WG GPM FT IN WG. (SQ.FT) MM IN. LOAD	355-6SR HX 1813 X 1 HX 1816 X 1 3550 355 12.5% L2R (2) 10[254] 852/ 9.02 365/ 1810 1.96/ 35.14 4/ 188.2, 3/ 235.3 18 860(18) 3.0(18) 4.9(18) 289863 45 460/3/60 585.4	405-6SR COMPRESSC HX 1816 X 2 3550 402 12.5% EVAPORATO L3R (2) 10[254] 966/ 10.03 390/ 1948 1.96/ 35.59 CONDENSE 4/ 235.3, 3/ 235.3 20 880(20) 3.0(20) 4.9(20) 316260 45 ELECTRICAL 460/3/60 655.8 781.4	435-6SR R HX 1817 X 2 3550 434 12.5% R M1R (2) 12[305] 1042/ 9.17 436/ 2173 1.93/ 34.47 R 4/ 470.6 20 860(20) 3.0(20) 4.9(20) 3.09225 45 - 460/3/60 695.7	HX 1813 X 3 3550 460 8.33% L2R (1), M2R (1) 12[305] 1104/ 11.89 411/ 2040 1.95/ 34.81 3/ 256.7, 4/ 385 20 860(20) 3.0(20) 4.9(20) 3.47340 45 460/3/60 755.4	HX 1816 X 1 HX 1813 X 2 3550 512 8.33% L3R (1), M2R (1) 12[305] 1231/14.45 423/2109 1.94/35.04 4/641.7 20 860(20) 4.0(20) 6.5(20) 381612 45 460/3/60 827.8	HX 1816 X 2 HX 1813 X 1 3550 557 8.33% L3R (1), M3R (1) 12[305] 1337/ 14.95 439/ 2184 1.97/ 35.22 4/ 641.7 20 860(20) 4.0(20) 6.5(20) 373422 45 460/3/60 896.9
MODEL AFHX MODEL (QTY) RPM NOMINAL CAPACITY MIN. % UNIT CAPACITY REDU MODEL (QTY) WATER CONNECTOR NOM. WATER FLOW / PD MIN/ MAX WATER FLOW MIN/ MAX WATER FLOW MIN/ MAX WATER FLOW MIN/ MAX WATER PD COIL ROWS DEEP/ TOTAL FA NO. OF FAN FAN DIA. MOTOR kWI (QTY) FLA, AMP (QTY) TOTAL CFM MIN. AMBIENT TEMP. (F) AT M NOM. VOLTAGE UNIT RLA UNIT MAX. INRUSH	TR CTION INCH[MM] GPM / FT IN WG GPM FT IN WG. (SQ.FT) MM (SQ.FT) MM	355-6SR HX 1813 X 1 HX 1816 X 1 3550 355 12.5% L2R (2) 10[254] 852/ 9.02 365/ 1810 1.96/ 35.14 4/ 188.2, 3/ 235.3 18 880(18) 3.0(18) 4.9(18) 289863 45 45 460/3/60 585.4 726.7	405-6SR COMPRESSC HX 1816 X 2 3550 402 12.5% EVAPORATO L3R (2) 10[254] 966/ 10.03 390/ 1948 1.96/ 35.59 CONDENSE 4/ 235.3, 3/ 235.3 20 860(20) 3.0(20) 4.9(20) 3.0(20) 4.9(20) 3.16260 45 ELECTRICA 460/3/60 655.8 781.4 GENERAL	435-6SR R HX 1817 X 2 3550 434 12.5% R M1R (2) 12[305] 1042/ 9.17 436/ 2173 1.93/ 34.47 R 4/ 470.6 20 860(20) 3.0(20) 4.9(20) 309225 45 - 465[11811] 88[2235]	HX 1813 X 3 3550 460 8.33% L2R (1), M2R (1) 12[305] 1104/ 11.89 411/ 2040 1.95/ 34.81 3/ 256.7, 4/ 385 20 860(20) 3.0(20) 4.9(20) 347340 45 460/3/60 755.4 896	HX 1816 X 1 HX 1813 X 2 3550 512 8.33% L3R (1), M2R (1) 12[305] 1231/ 14.45 423/ 2109 1.94/ 35.04 4/ 641.7 20 860(20) 4.0(20) 6.5(20) 381612 45 460/3/60 827.8 974.7	HX 1816 X 2 HX 1813 X 1 3550 557 8.33% L3R (1), M3R (1) 12[305] 1337/ 14.95 439/ 2184 1.97/ 35.22 4/ 641.7 20 860(20) 4.0(20) 6.5.(20) 373422 45 460/3/60 896.9 1023.6 444[11278] 88[2235]
MODEL AFHX MODEL (QTY) RPM NOMINAL CAPACITY MIN. % UNIT CAPACITY REDU MODEL (QTY) WATER CONNECTOR NOM. WATER FLOW / PD MIN/ MAX WATER FLOW MIN/ MAX WATER FLOW MIN/ MAX WATER FLOW MIN/ MAX WATER FLOW MIN/ MAX WATER PD COLL ROWS DEEP/ TOTAL FA NO. OF FAN FAN DIA MOTOR kWI (QTY) FLA, AMP (QTY) TOTAL CFM MIN. AMBIENT TEMP. (F) AT M NOM. VOLTAGE UNIT RLA UNIT LENGTH UNIT LENGTH UNIT HEIGHT	TR CTION INCH[MM] GPM / FT IN WG GPM FT IN WG. (SQ.FT) MM (SQ.FT) MM	355-6SR HX 1813 X 1 HX 1816 X 1 3550 355 12.5% L2R (2) 10[254] 852/ 9.02 365/ 1810 1.96/ 35.14 4/ 188.2, 3/ 235.3 18 8660(18) 3.0(18) 4.49(18) 289863 45 45 45 45 45 45 45 45 45 45 45 45 45	405-6SR COMPRESSC HX 1816 X 2 3550 402 12.5% EVAPORATO L3R (2) 10[254] 966/ 10.03 390/ 1948 1.96/ 35.59 CONDENSE 4/ 235.3, 3/ 235.3 20 860(20) 3.0(20) 4.9(20) 3.16260 45 ELECTRICA 465(3) 655.8 781.4 GENERAL 465[11811] 88[2235] 96.5[2451]	435-6SR R HX 1817 X 2 3550 434 12.5% R M1R (2) 12[305] 1042/ 9.17 436/ 2173 1.93/ 34.47 R 4/ 470.6 20 860(20) 3.0(20) 4.9(20) 3.0(20) 4.9(20) 3.0(20) 4.9(20) 3.0(20) 4.5 - 465/11811] 88[2235] 96.5[2451]	HX 1813 X 3 3550 460 8.33% L2R (1), M2R (1) 12[305] 1104/ 11.89 411/ 2040 1.95/ 34.81 3/ 256.7, 4/ 385 20 860(20) 3.0(20) 4.9(20) 3.47340 45 460/3/60 755.4 896 444[11278] 88[2235] 120.5[3061]	HX 1816 X 1 HX 1813 X 2 3550 512 8.33% L3R (1), M2R (1) 12[305] 1231/ 14.45 423/ 2109 1.94/ 35.04 4/ 641.7 20 860(20) 4.0(20) 6.5(20) 3381612 45 460/3/60 827.8 974.7 444[11278] 88[2235] 120.5[3061]	HX 1816 X 2 HX 1813 X 1 3550 557 8.33% L3R (1), M3R (1) 12[305] 1337/ 14.95 439/ 2184 1.97/ 35.22 4/ 641.7 20 860(20) 4.0(20) 6.5;(20) 373422 45 460/3/60 896.9 1023.6 444[11278] 88[2235] 120.5[3061]
MODEL AFHX MODEL (QTY) RPM NOMINAL CAPACITY MIN. % UNIT CAPACITY REDU MODEL (QTY) WATER CONNECTOR NOM. WATER FLOW / PD MIN/ MAX WATER FLOW MIN/ MAX WATER FLOW MIN/ MAX WATER FLOW MIN/ MAX WATER PD COLL ROWS DEEP/ TOTAL FA NO. OF FAN FAN DIA. MOTOR kWI (QTY) FLA, AMP (QTY) TOTAL CFM MIN. AMBIENT TEMP. (F) AT M NOM. VOLTAGE UNIT RLA UNIT LENGTH UNIT LENGTH UNIT HEIGHT SHIPPING WEIGHT	TR CTION INCH[MM] GPM / FT IN WG GPM FT IN WG. (SQ.FT) MM (SQ.FT) MM	355-6SR HX 1813 X 1 HX 1816 X 1 3550 355 12.5% L2.R (2) 10[254] 852/ 9.02 365/ 1810 1.96/ 35.14 4/ 188.2, 3/ 235.3 18 860(18) 3.0(18) 3.0(18) 4.9(18) 2.89863 45 45 45 460/3/60 585.4 726.7 26,7 423[10744] 88[2235] 96.5[2451] 2.7977[12690]	405-6SR COMPRESSC HX 1816 X 2 3550 402 12.5% EVAPORATO L3R (2) 10[254] 966/ 10.03 390/ 1948 1.96/ 35.59 CONDENSE 4/ 235.3, 3/ 235.3 20 860(20) 3.0(20) 4.9(20) 3.0(20) 3.0(20) 4.9(20) 3.0(20) 4.9(20) 3.16260 45 ELECTRICA 465(11811] 88[2235] 96.5[2451] 32270[14637]	435-6SR R HX 1817 X 2 3550 434 12.5% R M1R (2) 12[305] 1042/ 9.17 436/ 2173 1.93/ 34.47 R 4/ 470.6 20 860(20) 3.0(20) 4.9(20) 3.0(20) 4.9(20) 3.0(20) 4.9(20) 3.0(20) 4.9(20) 3.0(20) 4.9(20) 3.0(20) 4.9(20) 3.0(20) 4.9(20) 3.0(20) 4.9(20) 3.0(20) 4.9(20) 3.0(20) 4.5 - - 465[11811] 88[2235] 96.5[2451] 33567[15226]	HX 1813 X 3 3550 460 8.33% L2R (1), M2R (1) 12[305] 1104/ 11.89 411/ 2040 1.95/ 34.81 3/ 256.7, 4/ 385 20 860(20) 3.0(20) 4.9(20) 3.0(20) 4.9(20) 3.47340 45 460/3/60 755.4 896 444[11278] 88[2235] 120.5[3061] 34716[15747]	HX 1816 X 1 HX 1813 X 2 3550 512 8.33% L3R (1), M2R (1) 12[305] 1231/ 14.45 423/ 2109 1.94/ 35.04 4/ 641.7 20 860(20) 4.0(20) 6.5(20) 381612 45 460/3/60 827.8 974.7 444[11278] 88[2235] 120.5[3061] 36759[16673]	HX 1816 X 2 HX 1813 X 1 3550 557 8.33% L3R (1), M3R (1) 12[305] 1337/ 14.95 439/ 2184 1.97/ 35.22 4/ 641.7 20 860(20) 4.0(20) 6.5(20) 373422 45 460/3/60 896.9 1023.6 444[11278] 88[2235] 120.5[3061] 37994[17234]
MODEL AFHX MODEL (QTY) RPM NOMINAL CAPACITY MIN. % UNIT CAPACITY REDU MODEL (QTY) WATER CONNECTOR NOM. WATER FLOW / PD MIN/ MAX WATER FLOW / PD MIN/ MAX WATER FLOW MIN/ MAX WATER PD COLL ROWS DEEP/ TOTAL FA NO. OF FAN FAN DIA. MOTOR kWI (QTY) FLA, AMP (QTY) TOTAL CFM MIN. AMBIENT TEMP. (F) AT M NOM. VOLTAGE UNIT RLA UNIT LENGTH UNIT LENGTH UNIT HEIGHT	TR CTION INCH[MM] GPM / FT IN WG GPM FT IN WG. (SQ.FT) MM (SQ.FT) MM	355-6SR HX 1813 X 1 HX 1816 X 1 3550 355 12.5% L2R (2) 10[254] 852/ 9.02 365/ 1810 1.96/ 35.14 4/ 188.2, 3/ 235.3 18 8660(18) 3.0(18) 4.49(18) 289863 45 45 45 45 45 45 45 45 45 45 45 45 45	405-6SR COMPRESSC HX 1816 X 2 3550 402 12.5% EVAPORATO L3R (2) 10[254] 966/ 10.03 390/ 1948 1.96/ 35.59 CONDENSE 4/ 235.3, 3/ 235.3 20 860(20) 3.0(20) 4.9(20) 3.16260 45 ELECTRICA 465(3) 655.8 781.4 GENERAL 465[11811] 88[2235] 96.5[2451]	435-6SR R HX 1817 X 2 3550 434 12.5% R M1R (2) 12[305] 1042/ 9.17 436/ 2173 1.93/ 34.47 R 4/ 470.6 20 860(20) 3.0(20) 4.9(20) 3.0(20) 4.9(20) 3.0(20) 4.9(20) 3.0(20) 4.5 - 465/11811] 88[2235] 96.5[2451]	HX 1813 X 3 3550 460 8.33% L2R (1), M2R (1) 12[305] 1104/ 11.89 411/ 2040 1.95/ 34.81 3/ 256.7, 4/ 385 20 860(20) 3.0(20) 4.9(20) 3.47340 45 460/3/60 755.4 896 444[11278] 88[2235] 120.5[3061]	HX 1816 X 1 HX 1813 X 2 3550 512 8.33% L3R (1), M2R (1) 12[305] 1231/ 14.45 423/ 2109 1.94/ 35.04 4/ 641.7 20 860(20) 4.0(20) 6.5(20) 3381612 45 460/3/60 827.8 974.7 444[11278] 88[2235] 120.5[3061]	HX 1816 X 2 HX 1813 X 1 3550 557 8.33% L3R (1), M3R (1) 12[305] 1337/ 14.95 439/ 2184 1.97/ 35.22 4/ 641.7 20 860(20) 4.0(20) 6.5(20) 373422 45 460/3/60 896.9 1023.6 444[11278] 88[2235] 120.5[3061]

# ₿DВ

## **DIMENSIONAL DATA**

