



Air Conditioners & Chillers

DOMESTIC LIQUID CHILLER

Features

Heat and Cool swimming pools

Customized for Process Cooling

S.S Causing Shell & Tube



GEO ELECTRICAL CONTRACTING TRADING CO. L.L.C

www.geogroupglobal.com

DOMESTIC LIQUID CHILLER Technical Specifications

Physical Data

Model Number	Compressor		Fan (Propeller)			Condenser Fan Motor		Coil			Unit weight kg (Lbs)		Charge kg (Lbs) R-22	Dimensions		
	Rating kW (Tons)	Cap (Stages)	Qty.	Dia. mm(in.)	Normal CFM	kW (HP)	RPM	Face area m ² (Ft ²)	Fins per inch	Rows Deep	Ship	Oper.	Oper.	Width cm (inch)	Height cm (inch)	Depth cm (inch)
CHU-012	3.5 (1)	1	1	400 (16)	1600	0.075 (1/10)	900	0.87 (9.4)	14	2 or 3	56.70 (127.58)	52.70 (118.58)	1.10 (2.48)	86.36 (34)	86.36 (34)	35.56 (14)
CHU-018	5.3 (1.5)	1	1	450 (18)	1600	0.075 (1/10)	900	1.05 (11.3)	14	2 or 3	59.00 (132.75)	55.30 (124.42)	1.25 (2.81)	86.36 (34)	86.35 (34)	35.56 (14)
CHU-024	7.2 (2)	1	1	450 (18)	1600	0.075 (1/10)	900	1.05 (11.3)	14	2 or 3	80.00 (180)	75.50 (170)	1.70 (3.82)	96.52 (38)	88.90 (38)	38.10 (15)
CHU-036	10.6 (3)	1	1	450 (18)	1600	0.19 (1/4)	900	1.05 (11.3)	14	2 or 3	86.60 (194.85)	82.10 (184.72)	2.70 (6)	101.60 (40)	152.40 (60)	40.64 (16)
CHU-048	14.2 (4)	1	2	450 (18)	3200	0.19 (1/4)	900	1.17 (12.6)	14	2 or 3	128.00 (288)	123.20 (277)	3.40 (7.65)	101.60 (40)	152.40 (60)	40.64 (16)
CHU-060	17.7 (5)	1	2	450 (18)	3500	0.19 (1/4)	950	1.73 (18.6)	14	2 or 3	134.00 (301.5)	128.60 (289.35)	4.24 (9.54)	119.38 (47)	142.24 (56)	101.60 (40)
CHU-090	26.5 (7.5)	1	1	650 (26)	5250	0.56 (3/4)	1000	1.74 (18.7)	15	3	234.00 (526.5)	222.00 (499.5)	6.36 (14.31)	119.38 (47)	142.24 (56)	101.60 (40)
CHU-120	35.3 (10)	2	1	650 (26)	7000	0.56 (3/4)	1075	2.21 (23.8)	16	3	255.00 (573.75)	239.00 (537.75)	8.48 (19.08)	119.38 (47)	147.32 (58)	101.60 (40)
CHU-180	53 (15)	2	2	650 (26)	10500	0.56 (3/4)	1150	3.34 (36)	16	3	435.00 (978.75)	421.50 (948.37)	11.80 (26.55)	205.74 (81)	170.18 (67)	119.38 (47)
CHU-240	705 (20)	2	2	650 (26)	14000	0.56 (3/4)	1075	4.02 (43.3)	16	3	450.00 (101.25)	434.00 (976.5)	16.32 (36.72)	205.74 (81)	170.18 (67)	119.18 (47)
CHU-360	106 (30)	2	3	650 (26)	21000	0.56 (3/4)	1075	4.02 (43.3)	16	3	625.00 (1406.25)	610.20 (1372.95)	24.48 (55.08)	231.14 (91)	198.12 (78)	137.16 (54)

Electrical and Mechanical data

Model Number	Compressor - Reciprocating type								
	Rate current Amp.	Power Supply	Input Watt	E.E.R (BTU/WH)	Sound Level dBA	No. of Circuits	Chilled water flow G.P.M.	Chilled water Tem. in/out °C (°F)	Water Connection In/Out mm (inch)
CHU-012	9.1	220/240 1P-50 Hz	1780	8.3	55-60	1	2.4	12.77-7.22 (55-45)	19 (3/4)
CHU-018	10.3	220/240 1P-50 Hz	2190	9.1	55-60	1	2.4	12.77-7.22 (55-45)	19 (3/4)
CHU-024	13.3	220/240 1P-50 Hz	2830	9.1	60-65	1	4.8	12.77-7.22 (55-45)	25 (1)
CHU-036	5.8	380/415 3P-50Hz	3430	10.2	60-65	1	7.2	12.77-7.22 (55-45)	25 (1)
CHU-048	8.2	380/415 3P-50Hz	5000	10.3	60-65	1	9.6	12.77-7.22 (55-45)	25 (1)
CHU-060	9	380/415 3P-50Hz	5135	11.5	60-65	1	12	12.77-7.22 (55-45)	25 (1)
CHU-090	14.2	380/415 3P-50Hz	8155	10.4	60-65	1	18	12.77-7.22 (55-45)	50 (2)
CHU-120	21.6	380/415 3P-50Hz	11550	10.1	60-65	1 or 2	24	12.77-7.22 (55-45)	50 (2)
CHU-180	30.3	380/415 3P-50Hz	16770	10.4	60-65	2	36	12.77-7.22 (55-45)	50 (2)
CHU-240	42	380/415 3P-50Hz	21000	10.1	60-65	2	48	12.77-7.22 (55-45)	50 (2)
CHU-360	60	380/415 3P-50Hz	30000	10.4	60-65	2	72	12.77-7.22 (55-45)	50 (2)

Application Data

	Limitations	Min	Max.
Voltage variation	380/415-3-50	342 V	456V
	220/240-1-50	198 V	242V
Ambient Air on Condenser Coil		7.2°C (45°F)	52°C (125°F)*
		400 kPa (57.5 psig)	626 kPa (90.0 psig)
Suction pressure at compressor		0.5°C (32.0°F)	12°C (53.5°F)
Corresponding temperature at saturation			

* These units can operate at a maximum ambient temperature of 52°C (125°F) provided the wet bulb temperature of the air entering the evaporator coil does not exceed 23°C (73°F)



GEO ELECTRICAL
CONTRACTING TRADING CO. L.L.C
P.O. BOX: 3189, SHARJAH - U.A.E.



GEO GLOBAL FZE
P.O. Box 17109, Jebel Ali Free Zone Dubai, United Arab Emirates
Phone: +971 4 8838300, Fax: +971 4 8838301
Email: info@geoglobal.net Website: www.geoglobal.net

