

ICY-WATER COOLER BS420KW

TECHNICAL DATAS

PRODUCT DATA:

TYPE:	BS 420KW
WATER COOLING CAPACITY :	15TON / H
WATER INLET TEMPERATURE:	30°C
WATER REDUCED TEMPERATURE:	4°C - 5 °C
WATER TYPE:	FRESH(CITY WATER)
WATER FLOW:	90 M ³ /H
POWER SUPPLY:	380-415 V, 3 PHASE, 60 HZ
REFRIGERATION TYPE:	R404A FREON
MACHINE DIMENSIONS:	40HC STANDARD CONTAINER
TOTAL UNIT WEIGHT:	12500 KG

Note: As shown in the drawing below, it is only suitable for use with an underground water tank or the Water Cooling Unit is elevated with a steel construction and placed under the insulated water tank.



TECHNICAL DATA:

COMPRESSOR TYPE:	SEMI HERMETIC PISTON TYPE
COMPRESSOR DISCHARGE VOLUME:	643,09 M3/HOUR (60HZ)
COMPRESSOR BRAND/POWER:	DORIN
COMPRESSOR POWER:	180 HP
COMPRESSOR COOLING CAPACITY:	360000 KCAL/H AND 420000 W
COMPRESSOR CAPACITY CONTROL:	%25-%50-%75-%100
CONDENSER TYPE:	WATER COOLING CONDENSER
MAXIMUM PRESSURE HP:	~30 BAR
MAXIMUM PRESSURE LP:	~ 20.5 BAR
MAXIMUM CURRENT:	123 KW/H



-Cooling Unit-



-Evaporator and Control Panel-

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STANDARD MATERIAL SPECIFICATIONS:

SEMI-HERMETIC TYPE COMPRESSOR	DORIN
CONDENSING UNIT	WATER COOLER TYPE
SILENCER (1)	GVN
RESYON SHOCK BREAKER (1)	COOLMATE
SHELL AND TUBE	TURKOGLU
LIQUIT TANK	GVN
LIQUIT TANK VALVE	GREEN GARDEN
LIQUIT FILTER	CASTEL / DANFOSS
SELENOID VALVE	ONDA
LIQUID EYE	HELDON
EXPANSION VALVE	DANFOSS / SPORLAN
ELECTRONIC VALVE (2)	CAREL
OIL SENSOR (2)	FRASCOLD
FAN PRESSURE SENSOR	SAGINOMIYA
FAN CYCLE (2)	SCHNEIDER / ABB
COMBINE PRESSOR PRESOSTAD	DANFOSS / SAGINOMIYA
LOW/HIGH PRESSURE MANOMETER	COLDGAUGE / TCOLD
FLOW SWITCH	SIKA
FREEZ THERMOSTAD	RANCO
ELECTRICAL BOX	ABB / SCHNEIDER
ELECTROSTATIC PAINTED CABINED	ROSEN
DRIVER	DIXELL
DRIVER SCREEN	DIXELL



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