

PROCHILLER SYSTEMS



# M45 SERIES

## INCREASED PROTECTION

With ultra low-temp insulation, and enhanced pump seals and housings

## ALL IN THE DETAILS

Full control with an onboard touchscreen interface  
PLUS remote access from any connected device

## READY FOR THE FUTURE

Stainless steel coolant reservoirs supplied with expansion ports for easy expansion as cooling demand increases

## NOT JUST FOR COOLING

PROHeat20 onboard heat recovery converts waste heat into hot water



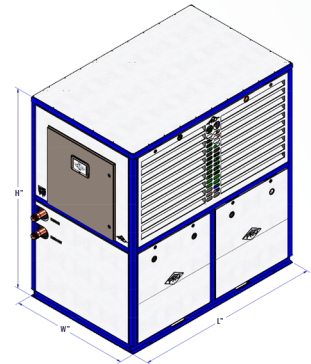


# R448 REFRIGERANT

## 2 YEAR PARTS & LABOR WARRANTY

## 24/7 ON-CALL SERVICE AND SUPPORT

## DESIGNED FOR INDOOR & OUTDOOR INSTALLATION



MODEL	HP	COOLING POWER KW @ °C LEAVING FLUID AND 32°C AIR TEMP						COOLING POWER BTU/HR @ °F LEAVING FLUID AND 90°F AIR TEMP					
		-43°	-40°	-34°	-29°	-26°	-22°	-45°	-40°	-30°	-20°	-15°	-8°
M45BT112B70R430-A-V*	12.2	9.6	10.9	13.7	17.0	18.8	21.4	32800	37100	46800	57900	64000	73100
M45BT120B86R430-A-V*	20.2	15.6	17.6	22.1	27.2	29.9	34.1	53400	60200	75400	92700	102100	116200

MODEL	DIMENSIONS L X W X H	SHIPPING WEIGHT	OPERATING WEIGHT	ELECTRICAL DATA		PUMP FLOW				CONDENSER AIR FLOW	TANK SIZE	NOISE LEVEL	FLUID CONNECTONS
				208-230/3	460/3	GPM	TDH	L/min	bar				
				MCA/MOP (Amps)	MCA/MOP (Amps)								
M45BT112B70R430-A-V*	87 x 57 x 100	2200 / 1363.6	2600 / 1545.5	89 / 142	41 / 65	60	58	227	1.7	8400	30 / 114	83	2
M45BT120B86R430-A-V*	87 x 57 x 100	2400 / 1454.5	2800 / 1636.4	125 / 207	57 / 94	60	58	227	1.7	8400	30 / 114	84	2

MANUAL GAUGE SET INCLUDES ISOLATION VALVES WITH ACCESS TO CRITICAL SENSORS AND PRESSURE TRANSDUCERS

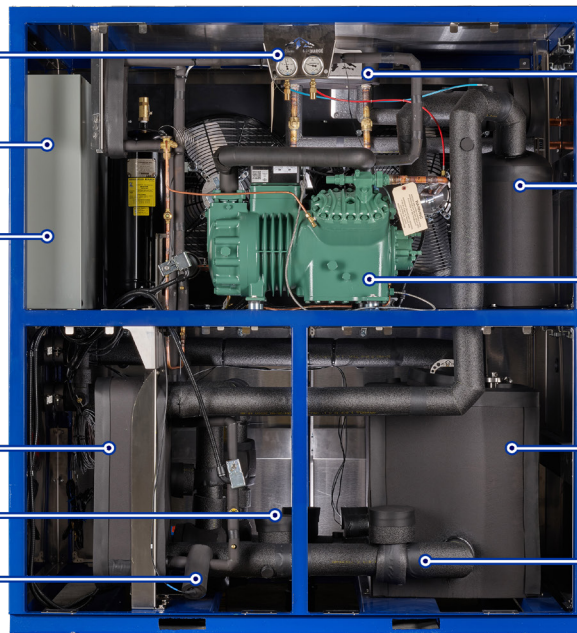
ETL/UL508 RATED ELECTRICAL CONTROL PANEL WITH NEMA4X ELECTRICAL ENCLOSURE

PROELLIOT SMART CONTROL WITH TOUCHSCREEN HMI AND REMOTE ACCESS TO BOTH LIVE OPERATING DATA AND HISTORICAL RECORDS. \*1 YEAR SUBSCRIPTION IS INCLUDED

304 STAINLESS STEEL EVAPORATOR WITH 1" SHEET INSULATION AND 1" PIPE INSULATION

DUAL STAINLESS STEEL WETTED SURFACE CENTRIFUGAL PUMPS WITH ISOLATION VALVES

REFRIGERANT CONTROL WITH ELECTRONIC EXPANSION VALVE



HOTGAS RECOVERY HEAT EXCHANGE WITH MANUAL ISOLATION AND BYPASS VALVES. UTILIZE WASTE HEAT FROM REFRIGERANT TO SERVE A HEATED GLYCOL/WATER LOOP

OFFERED WITH THE REFRIGERANT R448A (\*SUB 15000 GWP RATING)

2 STAGE BITZER SEMI HERMETIC COMPRESSOR DELIVERED WITH 2 YEAR WARRANTY COVERAGE

10 GAUGE 304 STAINLESS STEEL COOLANT STORAGE TANK, VENTED AND NON PRESSURIZED.  
SYSTEM CAN OPERATE WITH:  
1. PROPYLENE GLYCOL BASED SOLUTIONS -15°F/-26°C  
2. DYNALENE PRODUCTS THAT PROTECT DOWN TO -49°F/-45°C

ALL COOLANT PIPING CRAFTED USING TYPE L COPPER WITH SILPHOS BRAZED JOINTS

\* VOLTAGE INDICATOR WHEN ORDERING (C = 208-230/3/60 D = 460/3/60)

\* DEDICATED PROCESS PUMP AVAILABLE UPON REQUEST