

CLIMMA Sea Water Circuit - Product details and technical specifications

SEA WATER CIRCUIT COMPONENTS

- Sea water pump
- Calibration valve for the sea water circuit (when the chiller capacity is more then 60.000 Btu/h)
- Sea water strainer
- Sea water intake and sea water outlet
- If the system has a backup pump, then there must be a relay box to manage multiple pumps

SEA WATER PUMPS AND CALIBRATION VALVE

To select the sea water pump, check the chiller power in Btu/h and look in the below table for the “Chiller capacity up to” and select the correct model. Then look for the Veco part number to get the sea water pump code. To the Veco part nr., add the last letter to select the power supply*.

To select the calibration valve, check the column “Calibration valve” corresponding to the selected sea water pump. Calibration valve is mandatory when the chiller capacity is more then 60.000 Btu/h.

Veco Part Nr./ Codice Veco	Chiller Capacity up to (Btu/h) / Capacità chiller fino a (Btu/h)	Nominal flow rate / Flusso		Testa / Pump head		Power (W) / Consumo (W)	Pump model / Modello Pompa	Weight (Kg) / Peso (Kg)	Delivery size / Attacco mandata	Intake size / Attacco aspirazione	Calibration valve/ Valvola calibrazione
		L/m	GPM	mt	ft						
M3353*	6.000	5	1,3	5	16	120	MD 120	3,5 – 7,7	½ MTP	1' FTP	STAD15 – M3166B
M3353*	9.000	8	1,9	5	16	120	MD 120	3,5 – 7,7	½ MTP	1' FTP	STAD15 – M3166B
M3353*	12.000	10	2,5	4,5	14	120	MD 120	3,5 – 7,7	½ MTP	1' FTP	STAD15 – M3166B
M3353*	17.000	14	3,5	4	13	120	MD 120	3,5 – 7,7	½ MTP	1' FTP	STAD15 – M3166B
M73295*	30.000	25	6,3	5	15	135	TMB65	5 – 10	1' M BSP	1' M BSP	STAD25-M3166A
M67270*	36.000	30	7,5	12	39	370	B-C20/A	9,5 – 20,9	1' F BSP	1' F BSP	STAD25-M3166A
M67270*	48.000	40	10,0	11	36	370	B-C20/A	9,5 – 20,9	1' F BSP	1' F BSP	STAD25-M3166A
M67270*	60.000	50	12,5	10	33	370	B-C20/A	9,5 – 20,9	1' F BSP	1' F BSP	STAD25-M3166A
M67610*	72.000	60	15,0	18	58	550	B-C 22/1/A	10,5 – 23,1	1' F BSP	1' F BSP	STAD25-M3166A
M67610*	84.000	65	16,2	17	55	550	B-C 22/1/A	10,5 – 23,1	1' F BSP	1' F BSP	STAD25-M3166A
M67610*	96.000	74	18,5	13	43	550	B-C 22/1/A	10,5 – 23,1	1' F BSP	1' F BSP	STAD25-M3166A
M67610*	120000	92	23,1	10	33	550	B-C 22/1/A	10,5 – 23,1	1' F BSP	1' F BSP	STAD32 – M3166C
M67275*	150.000	115	28,8	13	43	750	B-C41/1E	18 – 40	1-1/2' F BSP	1-1/2' F BSP	STAD32 – M3166C
M67275*	200.000	154	38,5	10	32	750	B-C41/1E	18 – 40	1-1/2' F BSP	1-1/2' F BSP	STAD40 – M3166D
M67280*	250.000	192	48,1	14	46	1100	B-NM 40/12F	33 – 72,7	PN16-40 #	PN16-65 #	STAF-R65-2 M3166F
M67280*	300.000	231	57,7	13	42	1100	B-NM 40/12F	33 – 72,7	PN16-40 #	PN16-65 #	STAF-R65-2 M3166F
M67280*	400.000	308	76,9	11	36	1100	B-NM 40/12F	33 – 72,7	PN16-40 #	PN16-65 #	STAF-R65-2 M3166F
M67280*	500.000	385	96,2	8	26	1100	B-NM 40/12F	33 – 72,7	PN16-40 #	PN16-65 #	STAF-R65-2 M3166F
M81140*	700.000	538	134,6	13	44	2200	B-NM 50/12F/A	63-138,9	PN16-50 #	PN16-65 #	STAF-R65-2 M3166F
M81140*	800.000	615	153,8	12	39	2200	B-NM 50/12F/A	63-138,9	PN16-50 #	PN16-65 #	STAF-R65-2 M3166F

PN16 - Flange EN1092-1

* Available power supply

- U = 230/1/50
- W = 230/1/60
- V = 230/3/50
- X = 230/3/60
- Y = 400/3/50
- Z = 400/3/60

Example: Chiller of 144kBtu/h and 230/1/50 as power supply. Select "Chiller capacity up to" 150.000 (the minimum greater than your chiller power value) and then select the pump M67275*. Check power supply and add the correct letter; so if it's 230/1/50 Veco correct part nr. is M67275U.

SEA WATER STRAINER / FILTRO ACQUA MARE

Based on the intake size of the selected sea water pump.

Prod.Code	Description
M70665	Sea water strainer 1/2 BSP
M3334D	Sea water strainer 1' BSP
M3334E	Sea water strainer 1-1/2' BSP

SEA WATER INTAKE / PRESA MARE

Based on the intake size of the selected sea water pump.

Prod.Code	Description
M64215	Sea water intake 1/2"
M64216	Sea water intake 3/4"
M64210	Sea water intake 1"
M64217	Sea water intake 1" ¼

SEA WATER OUTLET / SCARICHI ACQUA MARE

Based on the delivery size of the selected sea water pump.

Prod.Code	Description
M64825	Sea Water Outlet 1/2"
M64830	Sea Water Outlet 1"

RELAY BOX FOR MULTIPLE PUMPS / SCATOLE RELAY PER POMPE MULTIPLE

When there is an additional pump for backup or the system has more than one pump, then it is necessary to add a relay box for multiple pumps.

Prod.Code	Description	Power in
MREL2I	Pump relay box for 2 units	115V
MREL2U	Pump relay box for 2 units	230V
MREL6I	Pump relay box for 3-6 units	115V
MREL6U	Pump relay box for 3-6 units	230V