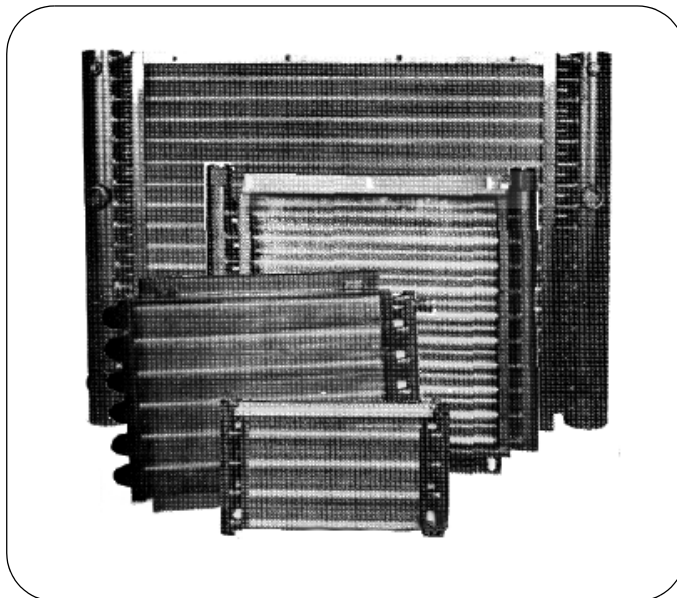


SECTION R

OIL COOLERS

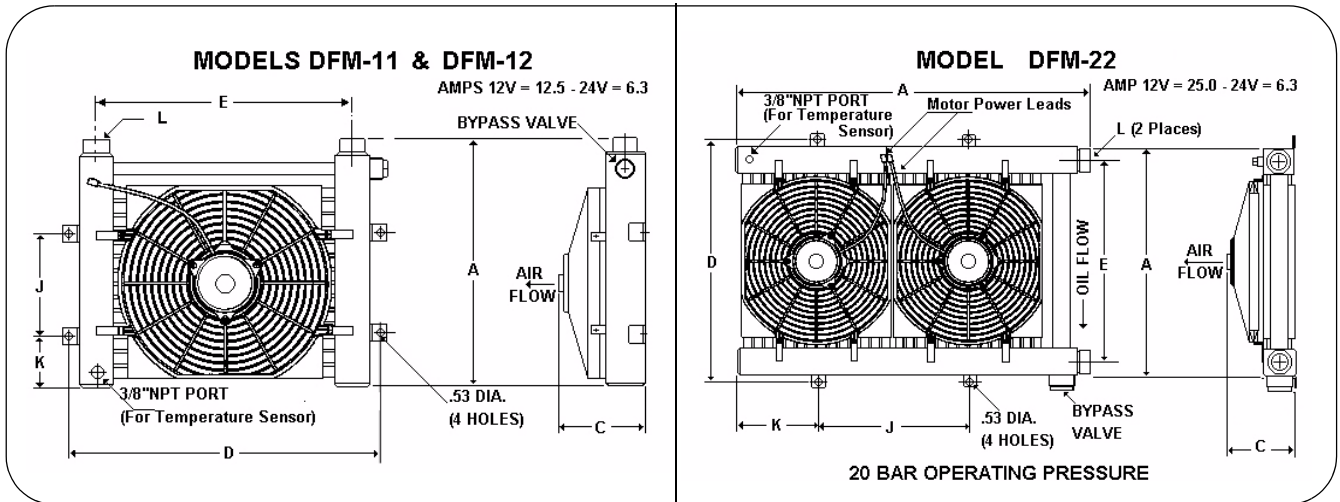
Page Description	Page
AIR COOLED MOBILE - OIL COOLERS	R 2
LIGHT DUTY SERIES (Copper tanks & steel fins).....	R 2
HEAVY DUTY SERIES (Steel tanks & fins)	R 2
COOLER SELECTION	R 3
VERSACOOL SERIES	R 4
MARINE HEAT EXCHANGERS	R 5
MARINE HEAT EXCHANGERS	R 5

AIR COOLED MOBILE - OIL COOLERS



MODEL	Max Flow	Heat Dissipation	Ports	Dim	Weight	Net Price
	L/Min	kW	BSPB	mm	kg	
LIGHT DUTY SERIES (Copper tanks & steel fins)						
67/073S3L	45	2	3/4"	470 X 179 X 38	2.3	\$POA
67/084S3L	45	3	3/4"	622 X 179 X 38	2.8	\$POA
67/106S3L	60	3.5	1/2"	533 X 216 X 368	3.4	\$POA
67/194S3L	95	4.1	3/4"	460 x 358 x 38	5.0	\$POA
HEAVY DUTY SERIES (Steel tanks & fins)						
67/194S3H	95	4.1	3/4"	479 X 358 X 38	7.0	\$POA
67/216S4H	100	5.8	1"	629 X 358 X 38	8.5	\$POA
67/249S3H	135	8.7	3/4"	629 X 510 X 38	12.5	\$POA
67/326S5H	190	11	1 1/4"	629 X 637 X 38	15.0	\$POA
67/524S5H	265	15	1 1/4"	680 X 534 X 76	26.0	\$POA
67/425S5H	265	21	1 1/4"	756 X 970 X 38	28.0	\$POA
67/649S8H	500	52	2"	1061 X 995 X 76	46.0	\$POA

- Valve for heat dissipation is based on standard hydraulic mineral oil entering cooler at 30°C above ambient and at the maximum flow rate as listed and based on air face velocity of 5.55 m/sec.
- Heavy Duty units can be supplied with either 2 BAR or BAR preset valve cracking pressures. Standard units are 2 BAR and unless otherwise advised will be the setting supplied against all orders received. To specify 4 BAR cracking pressure add the numeral "4" behind the above part codes. Price is the same for either setting.



THREE RUGGED NEW MODELS. 12V or 24V DC power mobile equipment applications. Steel tanks and air fins supplied standard for long trouble free life under the high impact and vibration conditions encountered in mobile use. Thermal controls are available.

APPLICATIONS: Concrete Transit Mixers, Concrete Pumps, Cranes, Harvesters, Grain Handlers, Road & Construction Machines etc.

PERFORMANCE:

- DFM11 4 kW heat transfer at 30c ETD with 60 Lm oil flow.
- DFM12 5.8 kW heat transfer at 30c ETD with 120 Lm oil flow.
- DFM22 11.3 kW heat transfer at 30c ETD with 240 Km oil flow.

NB: ETD refers to the entering temperature difference i.e. inlet oil temp. - air temp. = ETD

MODEL	VOLTAGE DC	NOM. FLOW L/Min	A	C	D	E	J	K	L BSPP	Weight Kg	Net PRICE
67/DFM11/12	12	60	411	130	528	452	190.5	94	1"	10	\$POA
67/DFM11/24	24	60	411	130	528	452	190.5	94	1"	11	\$POA
67/DFM12/12	12	120	433	170	578	476	362.0	94	1 1/4"	19	\$POA
67/DFM12/24	24	120	433	170	578	476	362.0	94	1 1/4"	20	\$POA
67/DFM22/12	12	240	540	170	578	476	362.0	196	1.5"	35	\$POA
67/DFM22/24	24	240	540	170	578	476	362.0	196	1.5"	38	\$POA

Thermostats are an important addition to DFM models to maximise fan motor life. Thermo kits are controlled by cooler tank temperature. The standard kit is fixed at 55°C, also available at 65°C.

THERMOSTATS TO SUIT	CUT IN TEMP	MODEL	Net PRICE
67/DFM11/12	55°C	67/05200	\$POA
67/DFM11/24	55°C	67/05201	\$POA
67/DFM12/12	55°C	67/05206	\$POA
67/DFM12/24	55°C	67/05207	\$POA
67/DFM22/12	55°C	67/05209	\$POA
67/DFM22/24	55°C	67/05203	\$POA

COOLER SELECTION

To enable us to assist you with your cooler selection please provide the following information.

- Input power to hydraulic system = KW
- System type - open or closed loop = ?
- Total system oil flow = Litres/Minute
- Oil flow to cooler = Litres/Minute
- Ambient temperature = °C
- Preferred max. inlet oil temperature = °C
- Oil viscosity at 40°C = Centistokes
- Motor type: 12V, 24V, 240V, 415V, HYD = ?

VERSACOOOL SERIES HEAT EXCHANGERS



The VERSACOOOL Series delivers more air flow resulting in greater performance while using a smaller diameter low noise fan. A cylindrical air jet discharge pattern eliminates recycling of heated air through the matrix. Highest performance in the smallest package allows use in confined spaces, universal top and bottom mount makes vertical, horizontal or inverted mounting easy.

MODEL	VOLTS/ AMPS	MAX FLOW L/MIN	Cooling Capacity KW/°C	NOISE Level DBA	WIDTH	HEIGHT	DEPTH	NET PRICE
VC2XDB10	12DC/6.6	45	0.14	76	308	318	228	\$POA
VC2XDB20	24DC/4.4		0.14	76			228	\$POA
VC2XAD50	240AC/2P		0.18	82			409	\$POA
VC2XAC50	415AC/2P		0.18	82			409	\$POA
VC2XAG50	415AC/4P		0.14	65			409	\$POA
VC4XDB10	12DC/7.7	100	0.24	76	340	360	244	\$POA
VC4XDB20	24DC/4.7		0.24	76			244	\$POA
VC4XAD50	240AC/2P		0.32	84			420	\$POA
VC4XAC50	415AC/2P		0.32	84			420	\$POA
VC4XAG50	415AC/4P		0.25	68			420	\$POA
VC5NDA10	12DC/16.3	150	0.41	80	412	464	239	\$POA
VC5NDA20	24DC/9.2		0.41	80			239	\$POA
VC5NAD50	240AC/2P		0.45	87			445	\$POA
VC5NAC50	415AC/2P		0.45	87			445	\$POA
VC5NAG50	415AC/4P		0.32	71			445	\$POA
VC6XDA10	12DC	150	0.50	80	400	440	239	\$POA
VC6XDA20	24DC		0.50	80			239	\$POA
VC6XAD50	240AC/4P		0.56	78			445	\$POA
VC6XAC50	415AC/4P		0.56	78			445	\$POA
VC6XAG50	415AC/6P		0.45	68			445	\$POA
VC7XAD50	240AC/4P	200	0.80	78	545	584	445	\$POA
VC7XAC50	415AC/4P		0.80	78			445	\$POA
VC7XAG50	415AC/6P		0.64	68			445	\$POA

NB: The Cooling Capacity Figures are based on maximum Flow Rate and represent the degree of cooling capacity in Kilowatts per °C difference in entering air temperature and exiting oil temperature.

Always consult the sales office when sizing a cooler to suit your application

HEAT EXCHANGERS



One Pass



Two Pass

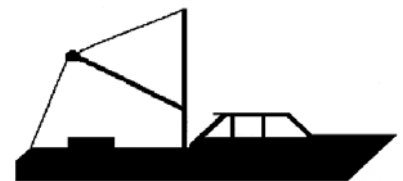


One Pass
With 90°

MODEL	No of Passes	MAX HEIGHT mm	O/A LENGTH mm	OIL PORT BSPP	WATER PORT BSPP	MAX OIL FLOW L/Min	REC. WATER FLOW L/Min	MAX HEAT TFR kW	NET PRICE
WI 151FSS	1	148	291	3/4"	1-1/4"	80	170	12	\$POA
WI 152FSS	2	148	275	3/4"	1"	80	80	12	\$POA
WI 251FSS	1	148	391	1"	1 1/4"	130	170	30	\$POA
WI 252FSS	2	148	375	1"	1"	130	80	26	\$POA
WI 401FSS	1	154	542	1-1/2"	1-1/4"	200	170	44	\$POA
WI 402FSS	2	154	525	1-1/2"	1"	200	80	42	\$POA

MARINE HEAT EXCHANGERS

SALT WATER COMPATIBLE



MODEL	No of Passes	MAX HEIGHT mm	O/A LENGTH mm	OIL PORT BSPP	WATER PORT BSPP	MAX OIL FLOW L/Min	REC. WATER FLOW L/Min	MAX HEAT TFR kW	NET PRICE
WM151SSS	1	148	291	3/4"	1-1/4"	80	170	12	\$POA
WM152SSS	2	148	275	3/4"	1"	80	80	12	\$POA
WM251SSS	1	148	391	1"	1 1/4"	130	170	30	\$POA
WM252SSS	2	148	375	1"	1"	130	80	26	\$POA
WM401SSS	1	154	542	1-1/2"	1-1/4"	200	170	44	\$POA
WM402SSS	2	154	525	1-1/2"	1"	200	80	42	\$POA

NB: The above data is a guide only - Please contact our Sales Desk for correct sizing to suit your application