

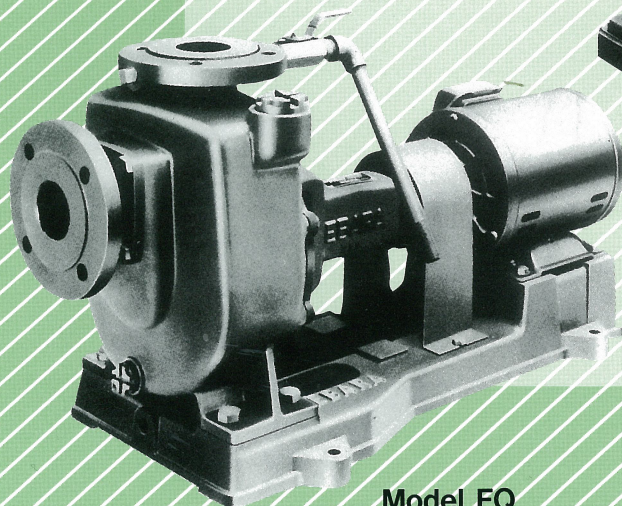


EBARA

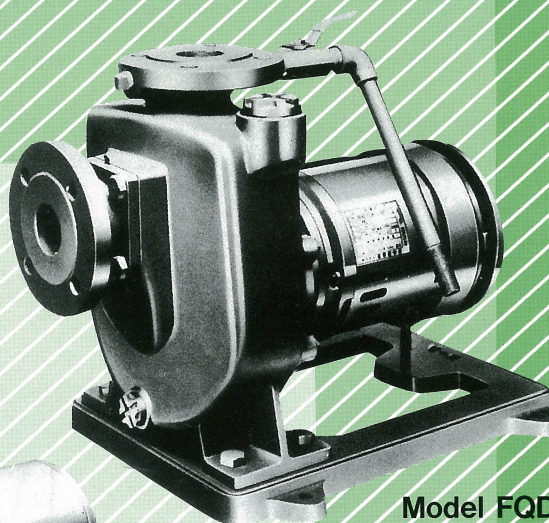
CF2005UE

SELF PRIMING PUMPS

Model **FQ • FQD**



Model FQ



Model FQD

APPLICATIONS

- Water supply
- Agriculture
- Sprinkling
- Drainage

FEATURES

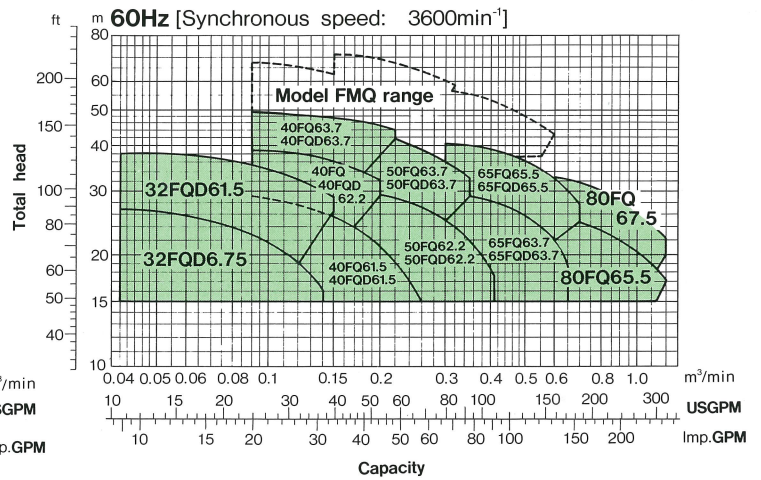
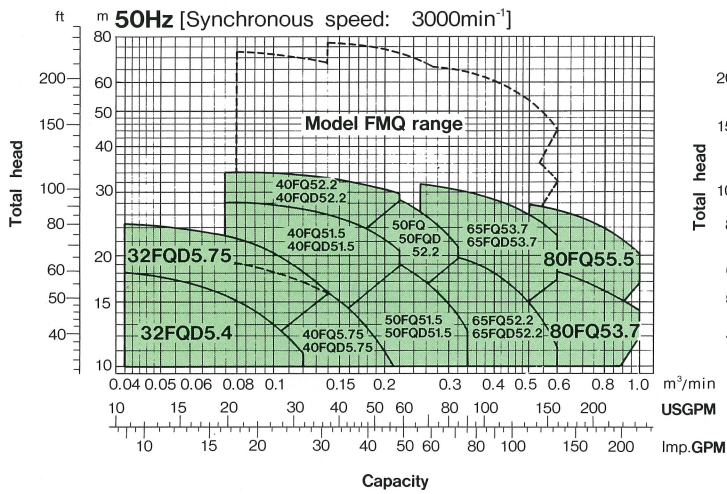
- (1) **Self priming pump**
Priming required for initial use only.
- (2) **Enclosed impeller ensures high efficiency**
- (3) **Fast Pumping action**
Special designed casing provides very fast action.
- (4) **BPO (back pull out) system**
Overhaul without suction/discharge pipe removal.
- (5) **Non-overload design**
Ensures stable performance for all applications.
- (6) **Sealed ball bearing**
Eliminates need of lubrication.
- (7) **Compact construction**
The two-pole high speed motor provides a compact unit and minimizes installation area.
- (8) **403 Stainless steel shaft**
Portion of shaft contacting liquid is made of 403 stainless and is highly resistant to wear.

SPECIFICATIONS & ACCESSORIES

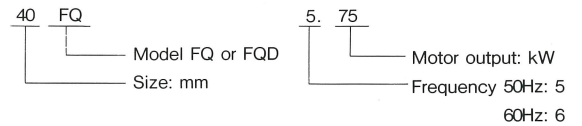
	Model FQ		Model FQD	
	Standard	Optional	Standard	Optional
Liquid	Fresh water		Fresh water	
Temperatures	0~40°C(32~104°F)		0~40°C(32~104°F)	
Re.NPSH	4m(13 feet)		4m(13feet)	
Speeds	3000min ⁻¹ —50Hz 3600min ⁻¹ —60Hz		3000min ⁻¹ —50Hz 3600min ⁻¹ —60Hz	
Installation	Indoors		Indoors	
Materials				
Casing	Cast iron		Cast iron	
Impeller	Bronze		Bronze	
Shaft	403 stainless steel	304 stainless steel 420J ₁ stainless steel	403 stainless steel	
Flange	JIS 10kgf/cm ² GR.F. thin type		JIS 10kgf/cm ² GR.F. thin type	
Construction	Direct coupled type		Close coupled type	
Nozzle	End suction-top		End suction-top	
position	discharge		discharge	
Impeller type	Enclosed		Enclosed	
Stuffing box	Packing		Mechanical seal	
Bearing	Sealed ball		Sealed ball	
Accessories	[Bare shaft pump] Priming plug Air vent valve	Strainer Companion flanges (with bolts) Anchor bolts Pressure gauge Compound gauge Vacuum gauge Gate valve Check valve	Base 1 Priming plug 1 Air vent valve 1	Strainer Companion flanges (with bolts) Anchor bolts Pressure gauge Compound gauge Vacuum gauge Gate valve Check valve
	[With motor] Common base ... 1 Coupling 1set Coupling guard... 1			

SELECTION CHARTS

Model FQ & FQD

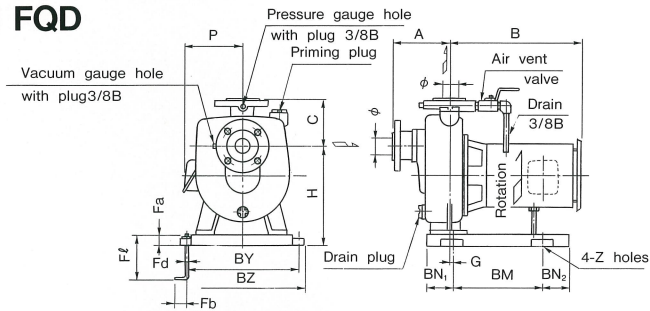


Symbols

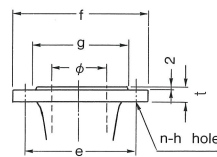


DIMENSIONS

Model FQD



Flange



Unit: mm

Size ϕ	g	e	f	t	n	h
32	80	100	135	18	4	15
40	85	105	140	18	4	15
50	100	120	155	18	4	15
65	120	140	175	18	4	15

50Hz

Unit: mm

Size ϕ	Model	Output kW	Pump & Motor																Weight {Mass} kg
			A	B	C	H	P	G	BN ₁	BM	BN ₂	BY	BZ	Z	Fd	Fl	Fa	Fb	
32	32FQD5.4	0.4	110	258	112	220	130	12	60	130	60	230	250	12	M10	125	25	40	27
	32FQD5.75	0.75	110	286	112	220	149	12	60	130	60	230	250	12	M10	125	25	40	30
	40FQD5.75	0.75	150	297	125	225	149	5	65	270	45	290	322	12	M10	125	25	40	36
40	40FQD51.5	1.5	150	346	125	265	156	5	65	270	45	290	322	12	M10	125	25	40	45
	40FQD52.2	2.2	150	356	125	265	156	5	65	270	45	290	322	12	M10	125	25	40	49
50	50FQD51.5	1.5	160	346	125	225	156	5	65	270	45	290	322	12	M10	125	25	40	44
	50FQD52.2	2.2	160	356	125	265	156	5	65	270	45	290	322	12	M10	125	25	40	50
65	65FQD52.2	2.2	170	356	125	225	156	5	65	270	45	290	322	12	M10	125	25	40	49
	65FQD53.7	3.7	170	412	125	265	170	5	65	270	45	290	322	12	M10	125	25	40	69

60Hz

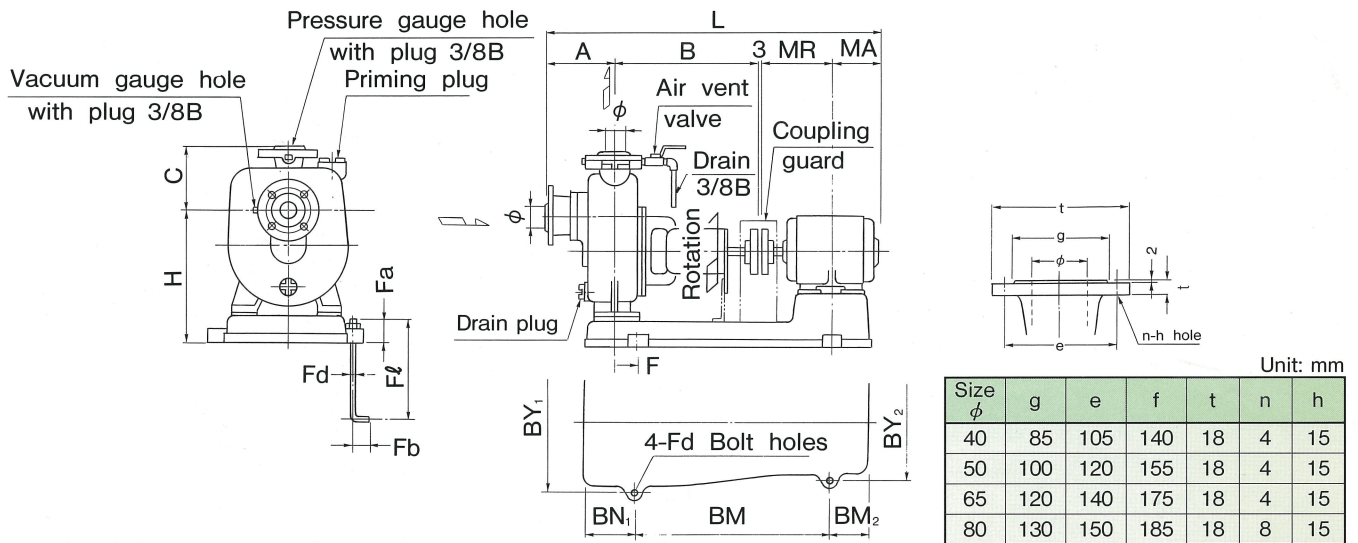
Unit: mm

Size ϕ	Model	Output kW	Pump & Motor																Weight {Mass} kg
			A	B	C	H	P	G	BN ₁	BM	BN ₂	BY	BZ	Z	Fd	Fl	Fa	Fb	
32	32FQD6.75	0.75	110	286	112	220	149	12	60	130	60	230	250	12	M10	125	25	40	30
	32FQD61.5	1.5	110	333	112	220	156	12	60	130	60	230	250	12	M10	125	25	40	35
40	40FQD61.5	1.5	150	333	125	225	156	5	65	270	45	290	322	12	M10	125	25	40	40
	40FQD62.2	2.2	150	356	125	265	156	5	65	270	45	290	322	12	M10	125	25	40	48
	40FQD63.7	3.7	150	412	125	265	170	5	65	270	45	290	322	12	M10	125	25	40	66
50	50FQD62.2	2.2	160	356	125	225	156	5	65	270	45	290	322	12	M10	125	25	40	48
	50FQD63.7	3.7	160	412	125	265	170	5	65	270	45	290	322	12	M10	125	25	40	67
65	65FQD63.7	3.7	170	412	125	225	170	5	65	270	45	290	322	12	M10	125	25	40	67
	65FQD65.5	5.5	170	413	125	265	205	5	65	270	45	290	322	12	M10	125	25	40	86

Note: Open drip-proof type motor is indicated.

DIMENSIONS

Model FQ



50Hz

Size ϕ	Model	Output kW	Pump						Motor			Common base						Anchor bolt				Weight {Mass} kg
			A	B	C	H	F	L	Frame No.	MA	MR	BM	BN ₁	BN ₂	BY ₁	BY ₂	Fd	Fl	Fa	Fd		
40	40FQ5.75	0.75	150	200	125	250	25	618	80	125	140	330	85	70	290	230	M10	125	40	40	45	
	40FQ51.5	1.5	150	280	125	290	45	751.5	90L	150	168.5	420	105	80	290	230	M10	125	40	40	64	
	40FQ52.2	2.2	150	280	125	290	45	781	100L	165	183	420	105	105	290	290	M10	125	40	40	68	
50	50FQ51.5	1.5	160	280	125	250	45	761.5	90L	150	168.5	420	105	80	290	230	M10	125	40	40	61	
	50FQ52.2	2.2	160	280	125	290	45	791	100L	165	183	420	105	105	290	290	M10	125	40	40	71	
65	65FQ52.2	2.2	170	280	125	250	45	801	100L	165	183	420	105	105	290	290	M10	125	40	40	67	
	65FQ53.7	3.7	170	280	125	290	45	828	112M	175	200	420	105	105	290	290	M10	125	40	40	93	
80	80FQ53.7	3.7	190	360	125	335	55	928	112M	175	200	540	130	70	350	290	M12	160	50	50	106	
	80FQ55.5	5.5	190	360	125	335	55	997	132S	205	239	540	130	150	350	350	M12	160	50	50	136	

60Hz

Size ϕ	Model	Output kW	Pump						Motor			Common base						Anchor bolt				Weight {Mass} kg
			A	B	C	H	F	L	Frame No.	MA	MR	BM	BN ₁	BN ₂	BY ₁	BY ₂	Fd	Fl	Fa	Fd		
40	40FQ61.5	1.5	150	200	125	250	25	671.5	90L	150	168.5	330	85	115	290	230	M10	125	40	40	55	
	40FQ62.2	2.2	150	280	125	290	45	781	100L	165	183	420	105	105	290	290	M10	125	40	40	72	
	40FQ63.7	3.7	150	280	125	290	45	808	112M	175	200	420	105	120	290	290	M10	125	40	40	89	
50	50FQ62.2	2.2	160	280	125	250	45	791	100L	165	183	420	105	105	290	290	M10	125	40	40	65	
	50FQ63.7	3.7	160	280	125	290	45	818	112M	175	200	420	105	120	290	290	M10	125	40	40	91	
65	65FQ63.7	3.7	170	280	125	250	45	728	112M	175	200	420	105	120	290	290	M10	125	40	40	85	
	65FQ65.5	5.5	170	280	125	310	70	897	132S	205	239	540	130	60	320	320	M12	160	50	50	126	
80	80FQ65.5	5.5	190	360	125	335	55	997	132S	205	239	540	130	150	350	350	M12	160	50	50	136	
	80FQ67.5	7.5	190	360	125	335	55	1036	132M	225	258	540	130	150	350	350	M12	160	50	50	152	

Note: Totally enclosed fan cooled motor is indicated.

* All specifications subject to change without notice.

In this catalog, the particulars in () are in accordance with the International System of Units (SI) and given for reference only.



EBARA CORPORATION

Standard Products Marketing & Sales Office

Phone: 81-3-5714-6111 Fax: 81-3-5714-6088

Website: <http://www.ebara.co.jp>

Ebara Engineering Singapore Pte. Ltd. (Singapore)

Phone: 65-862-3536 Fax: 65-861-0589

Ebara Middle East Branch Office (U.A.E.)

Phone: 971-4-838889 Fax: 971-4-835307