

- Low flow resistance design manifold improves water inlet efficiency, reduces the occurrence rate of cavitation, lowers vibration and noise, and increases the life-span of the pump.
- The unique centering structure checking valve and flow channel simulation design enable the pump to have excellent self-priming ability and high volumetric efficiency.
- Special material plunger can prevent cracking and improve life.
- Different types of liquid end material selections are used for different types of media and working conditions.
- Multiple types of driving can be adapted to different power types.



APPLICATIONS



PUMP SERIES



TECHNICAL DATA

Manifold:	Brass forged, nodular cast iron and D55 2205 are for options	Inlet Port	G3/4", G1"(DBF2824)
Crankcase:	Die-cast aluminum alloy, anodized	Outlet Port:	G3/8", G1/2"(DBF2824)
Connecting Rod:	Split type aluminum alloy	Oil Bath Capacity:	1050mL (half level of oil gauge)
Plunger:	High precision and wear-resistance ceramic tube	Oil Type:	85W/90 or greater GEAR OIL
Packing:	High-low dual pressure packing	Water Inlet Pressure:	0-50psi/3.5bar
Checking Valve:	High volumetric efficiency, spherical sealing areas	Max Inlet Water Temp.	≤ 50°C/122°F
Crankshaft:	Forged steel alloy, heat treatment, multiple process grinded	Shipping Size:	38.5x33.5x31cm

MODEL	MAX FLOW		MAX PRESSURE		POWER INPUT	POWER SPEED	NOM. DISPLACEMENT	WEIGHT
	GPM	LPM	PSI	BAR	KW	RPM	ML/R	KG
DBF-1521	4.2	16	6800	470	15	1450	11.0	14
DBF-1821	6.2	23.3	7000	480	22	1450	16.1	14
DBF-2221	9.2	34.7	3500	240	18.5	1450	14.5	14
DBF-2224	10.3	39	3300	230	18.5	1450	27.3	14
DBF-2524	13.2	50	2300	180	18.5	1450	35.3	14
DBF-2821	13.2	50	2600	160	18.5	1450	38.8	14
DBF-2824	16.9	64	2100	145	18.5	1450	44.3	14

OVERALL DIMENSION

Nominal Displacement x Specific Rotational Speed= The Theoretical Flow Rate. Fore example 11 mL × 1450 r/min = 16 L/min

