

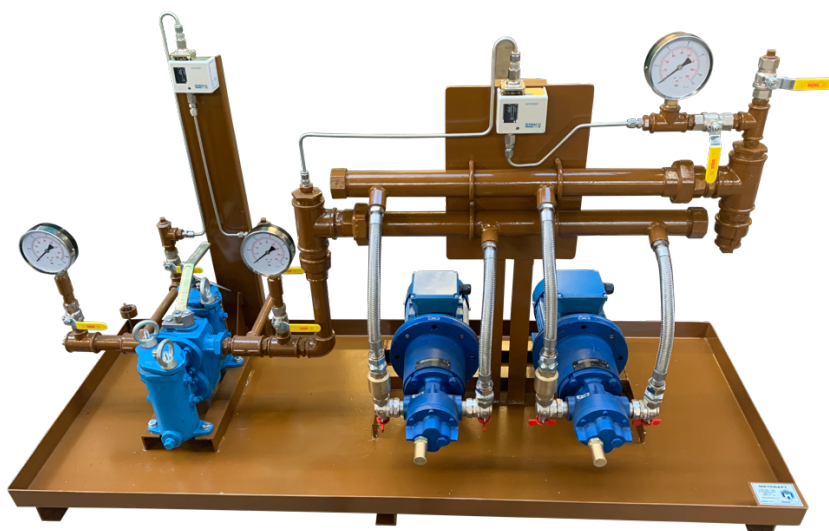


Product Data Sheet

BMF-BCF Duty Standby Geared Pump Set

METCRAFT

Geared pumps are predominately used when there is a large head pressure, for example to pump fuel up a tall riser within a skyscraper to the generators on the roof of the building. Our pumps can pump multiple fluids including diesel fuel. Please see illustration of duty stand by pump set complete with optional duplex strainer, differential pressure switches and pressure gauges.



EXECUTION

Volumetric gear pumps with bell for coupling to B3/B14 motor with elastic joint available in three different constructions:

- Cast iron with shafts and gears in steel
- Bronze with shafts and gears in Inox AISI 316
- Inox AISI 316

Pumps can be coupled to any B3/B14 standard motor. Pumps can be available with safety by-pass valve. Inlet and outlet nozzles are aligned with same diameter. Self-priming pumps.

APPLICATION

Pumps for lubricant liquids without any suspended solid or abrasive substance.

Max temperature of 100 °C for standard version. Max pressure 10 Bar. (Ask about our APF Geared

Pumps for upto 20bar pressure)

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FLOW RATES

THREE-PHASE							
5 BAR - 1400 RPM				10 BAR - 1400 RPM			
TYPE	LT/H	KW	Ø GAS	TYPE	LT/H	KW	Ø GAS
BMF2	120	0,09	3/8"	BMF2M	120	0,13	3/8"
BMF3	180	0,13	3/8"	BMF3M	180	0,18	3/8"
BMF4	240	0,18	3/8"	BMF4	240	0,18	3/8"
BMF5	300	0,26	1/2"	BMF5M	300	0,37	1/2"
BMF10	600	0,26	3/4"	BMF10M	600	0,37	3/4"
BMF15	900	0,37	3/4"	BMF15M	900	0,55	3/4"
BMF25	1500	0,55	3/4"	BMF25M	1500	0,75	3/4"
BMF35	2100	0,75	1"	BMF35M	2100	1,1	1"
BMF50	3000	1,1	1"	BMF50M	3000	1,5	1"
BMF60	3600	1,5	1" 1/4	BMF60M	3600	1,8	1" 1/4
BMF70	4200	1,8	1" 1/4				

THREE-PHASE							
5 BAR - 900 RPM				10 BAR - 900 RPM			
TYPE	LT/H	KW	Ø GAS	TYPE	LT/H	KW	Ø GAS
BMF5/6	200	0,18	1/2"	BMF5/6M	200	0,26	1/2"
BMF10/6	400	0,25	3/4"	BMF10/6M	400	0,37	3/4"
BMF15/6	600	0,37	3/4"	BMF15/6M	600	0,55	3/4"
BMF25/6	1000	0,55	3/4"	BMF25/6M	1000	0,75	3/4"
BMF35/6	1400	0,75	1"	BMF35/6M	1400	1,1	1"
BMF50/6	2000	1,1	1"				
BMF60/6	2400	1,1	1" 1/4				
BMF70/6	2700	1,1	1" 1/4				

Approximated features, they can change according to the liquid pumped, motor and pressure required.

SINGLE-PHASE											
5 BAR - 1400 RPM				10 BAR - 1400 RPM				5 BAR - 900 RPM			
TYPE	LT/H	KW	Ø GAS	TYPE	LT/H	KW	Ø GAS	TYPE	LT/H	KW	Ø GAS
BCF2	120	0,1	3/8"	BCF2M	120	0,11	3/8"				
BCF3	180	0,11	3/8"								
BCF4	240	0,18	3/8"								
BCF5	300	0,29	1/2"	BCF5M	300	0,37	1/2"	BCF5/6	200	0,18	1/2"
				BCF10M	600	0,37	3/4"	BCF10/6	400	0,25	3/4"
BCF15	900	0,37	3/4"	BCF15M	900	0,55	3/4"	BCF15/6	600	0,37	3/4"
BCF25	1500	0,55	3/4"	BCF25M	1500	0,75	3/4"	BCF25/6	1000	0,55	3/4"
BCF35	2100	0,75	1"	BCF35M	2100	1,1	1"	BCF35/6	1400	0,75	1"
BCF50	3000	1,5	1"								
BCF60	3600	1,5	1" 1/4								
BCF70	4200	1,5	1" 1/4								

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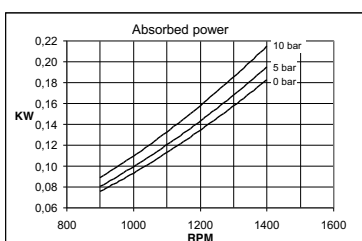
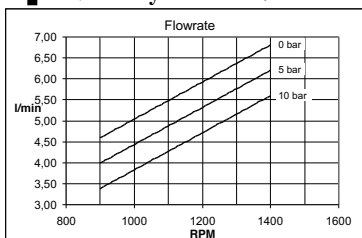


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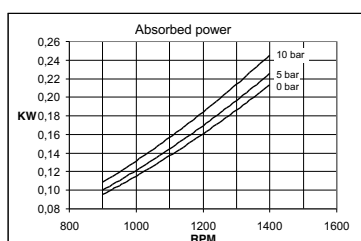
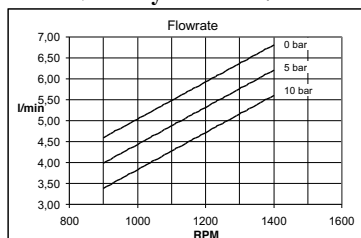
PUMP TYPE BMF5 – THEORICAL PERFORMANCES

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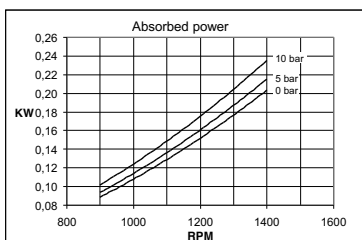
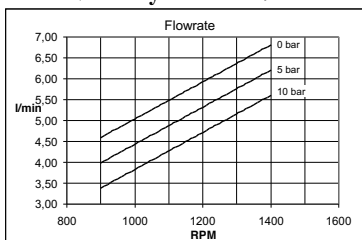
Viscosity: 100 mm²/sec



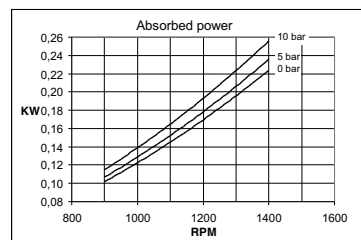
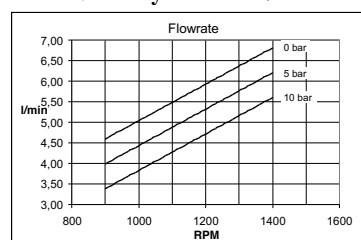
Viscosity: 450 mm²/sec



Viscosity: 300 mm²/sec



Viscosity: 600 mm²/sec



All indicated performances are theoretical and indicatives.
The installed power must be 20% higher than the absorbed power.

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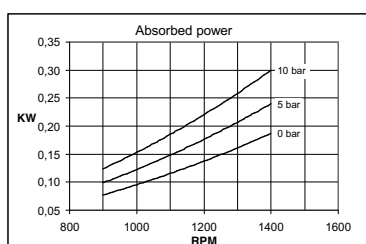
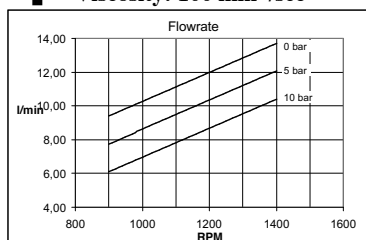


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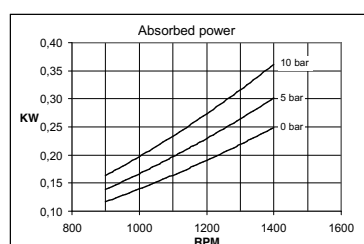
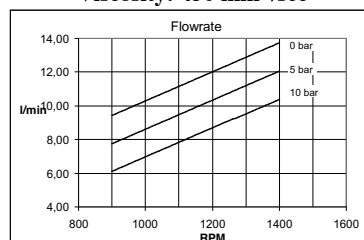
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METCRAFT

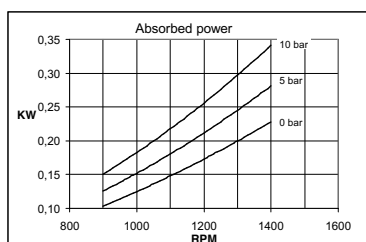
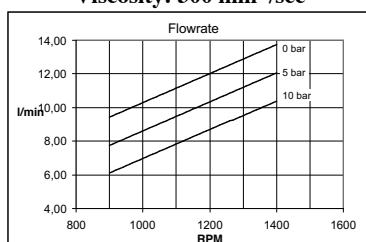
Viscosity: 100 mm²/sec



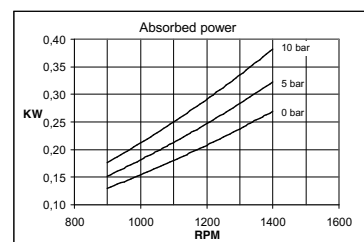
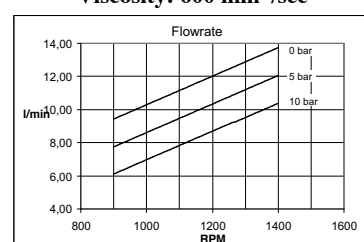
Viscosity: 450 mm²/sec



Viscosity: 300 mm²/sec



Viscosity: 600 mm²/sec



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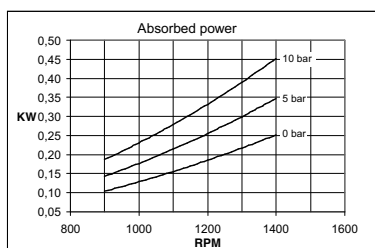
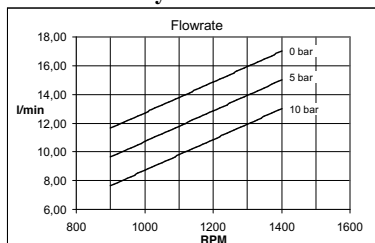


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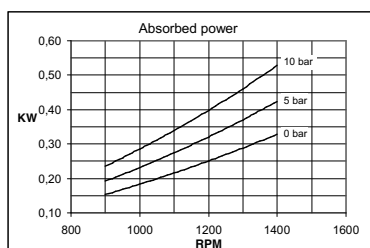
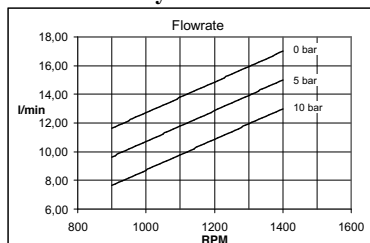
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METCRAFT

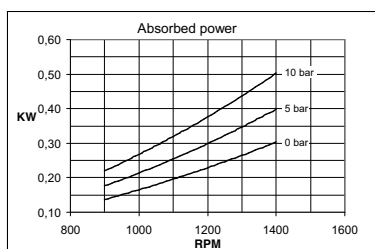
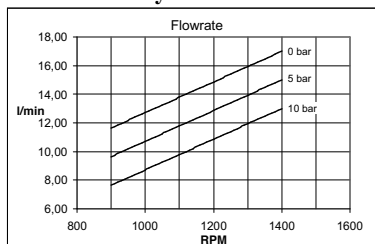
Viscosity: 100 mm²/sec



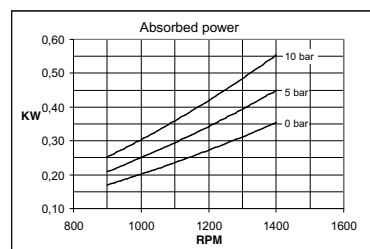
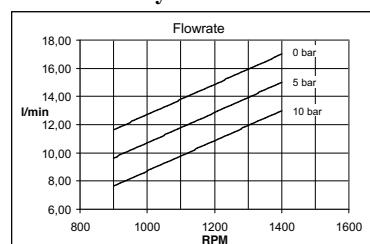
Viscosity: 450 mm²/sec



Viscosity: 300 mm²/sec



Viscosity: 600 mm²/sec



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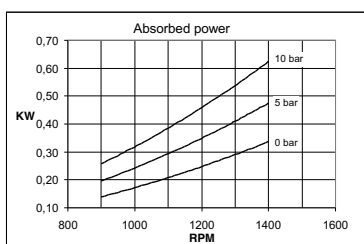
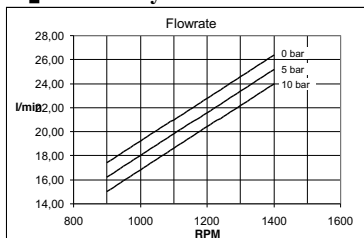


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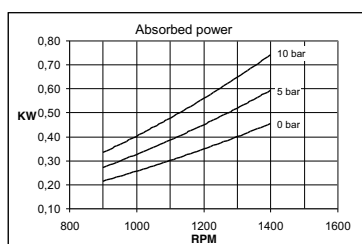
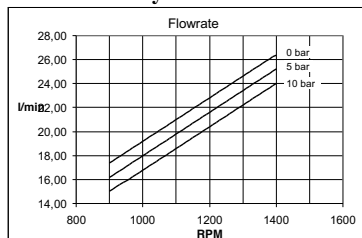
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METCRAFT

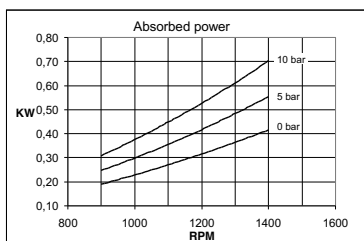
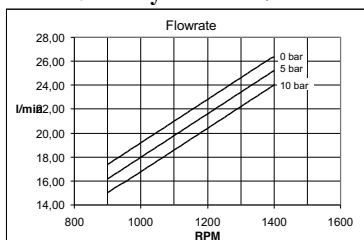
Viscosity: 100 mm²/sec



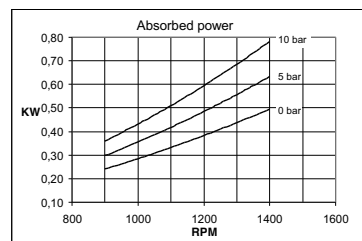
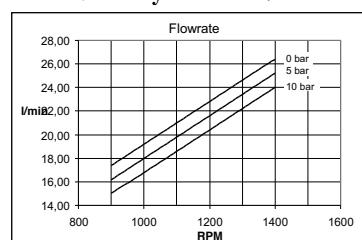
Viscosity: 450 mm²/sec



Viscosity: 300 mm²/sec



Viscosity: 600 mm²/sec



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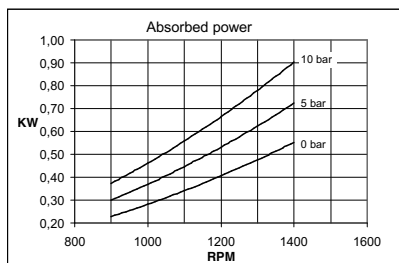
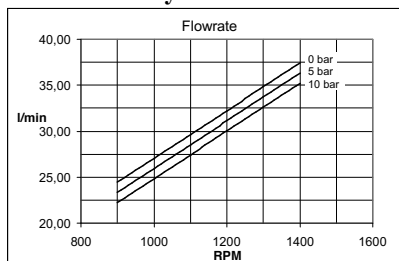


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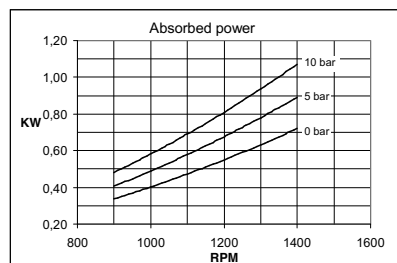
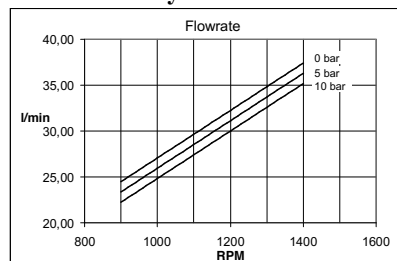
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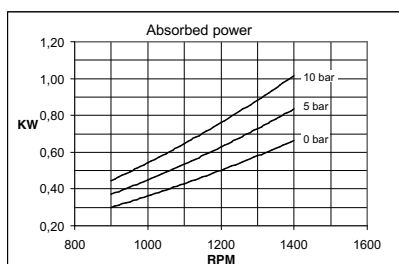
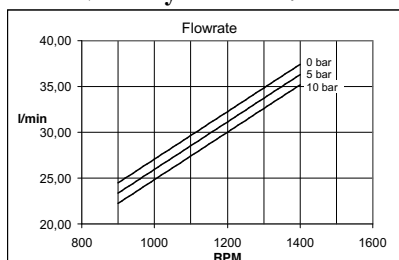
Viscosity: 100 mm²/sec



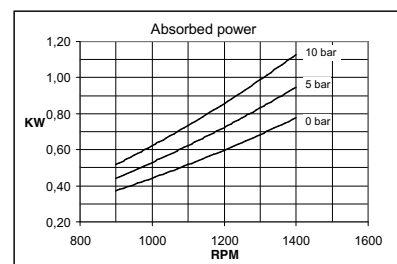
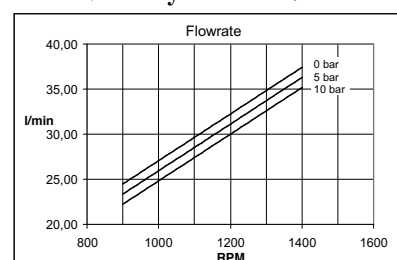
Viscosity: 450 mm²/sec



Viscosity: 300 mm²/sec



Viscosity: 600 mm²/sec



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