

 ShenGang Street, Jiangyin City, Jiangsu, China

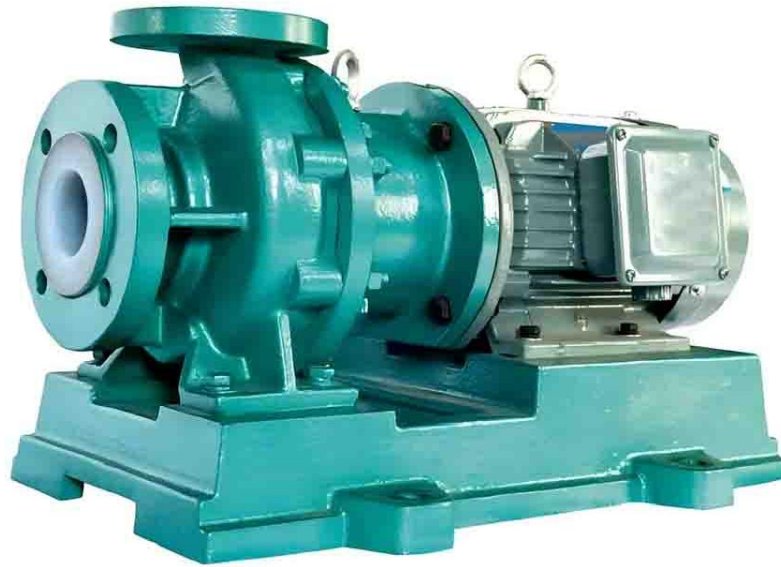
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IME-FT

**HIGH EFFICIENCY AND ENERGY SAVING
FLUORINE-LINED MAGNETIC PUMP**



● Working Conditions

Pump Diameter:32mm-300mm

Working Temperature:-20 -180

Flow Capacity Range:3m³ /h-800m³/h

Pump Head Range:15 m-125m

Materials Range: Lined-in FEP(F46),PFA.

Designed Standard:HG/T2730.SH/T3148. API685

● Application Fields

Biological medicine, petrochemical, mining, metallurgy, textile printing and dyeing,electricity, food, papermaking, electroplating, sewage treatment, flue gas treatment, new energy,new materials and other industries.

● Pump Usage

Applicable to transport inflammable and explosive volatile,poisonous and harmful, valuable and highly corrosive cleaning medium; Such as any concentration of acid and alkali, salt, solvent, strong oxidizer,etc.

Designed Instruction

The fourth generation of fluorine-lined magnetic pump is based on the company's long-term technical accumulation and foreign advanced technology for reference to design and development of high-efficiency energy-saving magnetic pump. In cooperation with Hefei University of Technology, through ANSYS and CFD aided design, and repeatedly optimizes the hydraulic size to increase the efficiency by 5-8 percentage points compared with the national standard. The reinforced sleeve is made of carbon fiber, which eliminates the influence of magnetic eddy current and makes it have better pressure and temperature resistance. All specifications have two structures of motor direct connection type and split type.The excellent performance and high cost performance of this series of magnetic pumps have become the first choice to replace imported magnetic pumps.

Performance Parameter Table

(Equipped with a secondary motor, n=2900r/min; design pressure: 1.6Mpa)

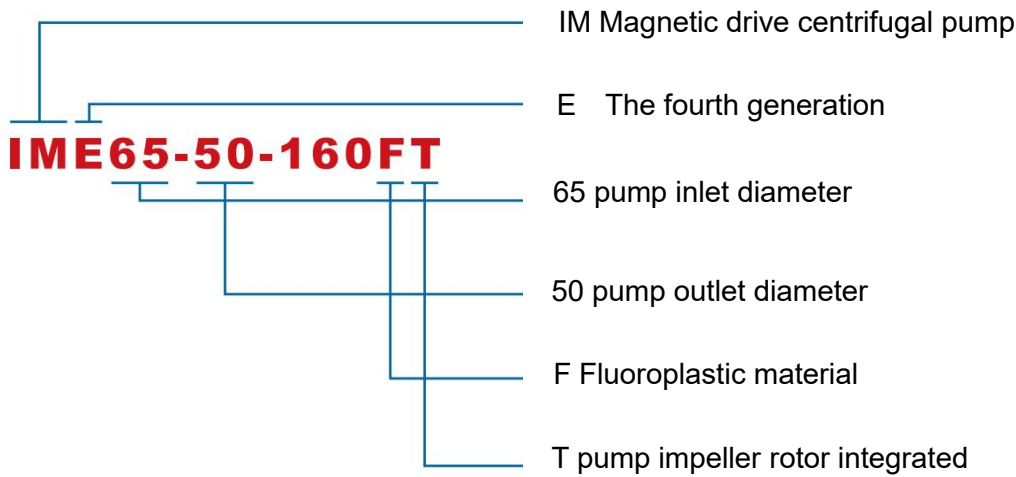
| Model No | Fow Capacity (m3/h) | Pump Head(m) | Efficiency(%) | Motor power | NPSH. | Diameter(mm) | | Rotating speed |
|----------------|------------------------|-----------------|---------------|----------------|-------|--------------|--------|-------------------|
| | | | | | | Inlet | Outlet | |
| IME50-32-125 | 12.5 | 20 | 51 | 2.2 | 3 | 50 | 32 | 2900 |
| IME50-32-160 | 12.5 | 32 | 56 | 3 | 3 | 50 | 32 | |
| IME50-32-200 | 12.5 | 50 | 45 | 5.5 | 3 | 50 | 32 | |
| IME50-32-250 | 12.5 | 80 | 35 | 11 | 3 | 50 | 32 | |
| IME65-50-125 | 25 | 20 | 62 | 3 | 3.5 | 65 | 50 | |
| IME65-50-160 | 25 | 32 | 60 | 5.5 | 3.5 | 65 | 50 | |
| IME65-40-200 | 25 | 50 | 55 | 11 | 3.5 | 65 | 40 | |
| IME65-40-250 | 25 | 80 | 40 | 22 | 3.8 | 65 | 40 | |
| IME80-65-125 | 50 | 20 | 70 | 5.5 | 4 | 80 | 65 | |
| IME80-65-160 | 50 | 32 | 69 | 11 | 4 | 80 | 65 | |
| IME80-50-200 | 50 | 50 | 62 | 15 | 4 | 80 | 50 | |
| IME80-50-250 | 50 | 80 | 60 | 30 | 4.5 | 80 | 50 | |
| IME100-80-125 | 100 | 20 | 71 | 11 | 4.5 | 100 | 80 | |
| IME100-80-160 | 100 | 32 | 65 | 18.5 | 4.5 | 100 | 80 | |
| IME100-65-200 | 100 | 50 | 65 | 30 | 4.5 | 100 | 65 | |
| IME100-65-250 | 100 | 80 | 65 | 45 | 4.5 | 100 | 65 | |
| IME100-80-315 | 100 | 125 | 55 | 90 | 5 | 100 | 80 | |
| IME125-100-160 | 160 | 32 | 65 | 30 | 5 | 125 | 100 | |
| IME125-100-200 | 160 | 50 | 70 | 37 | 5.5 | 125 | 100 | |

Performance Parameter Table

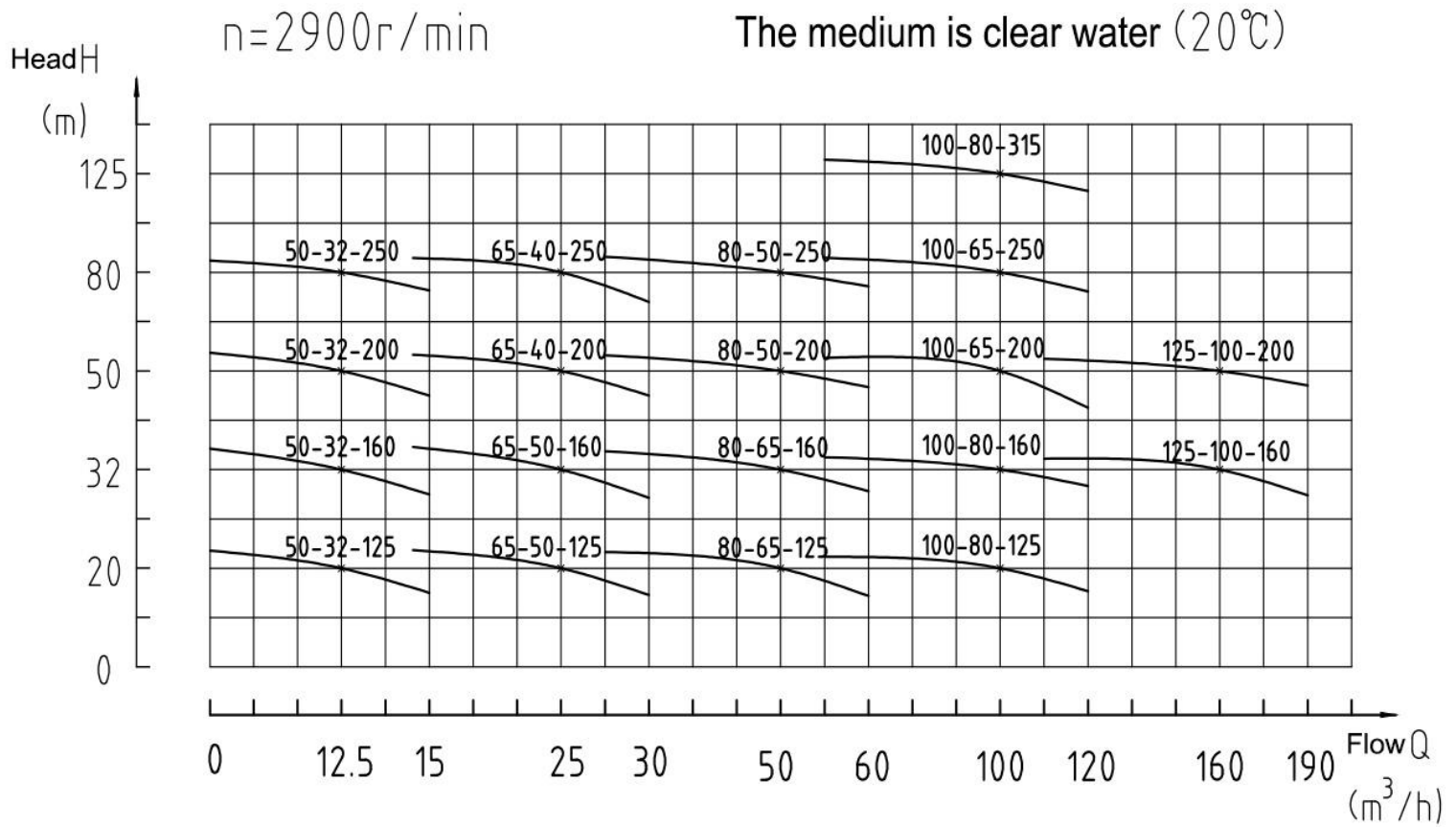
(Equipped with a four-pole motor, speed n=1450 r/min; Design pressure: 1.6 Mpa)

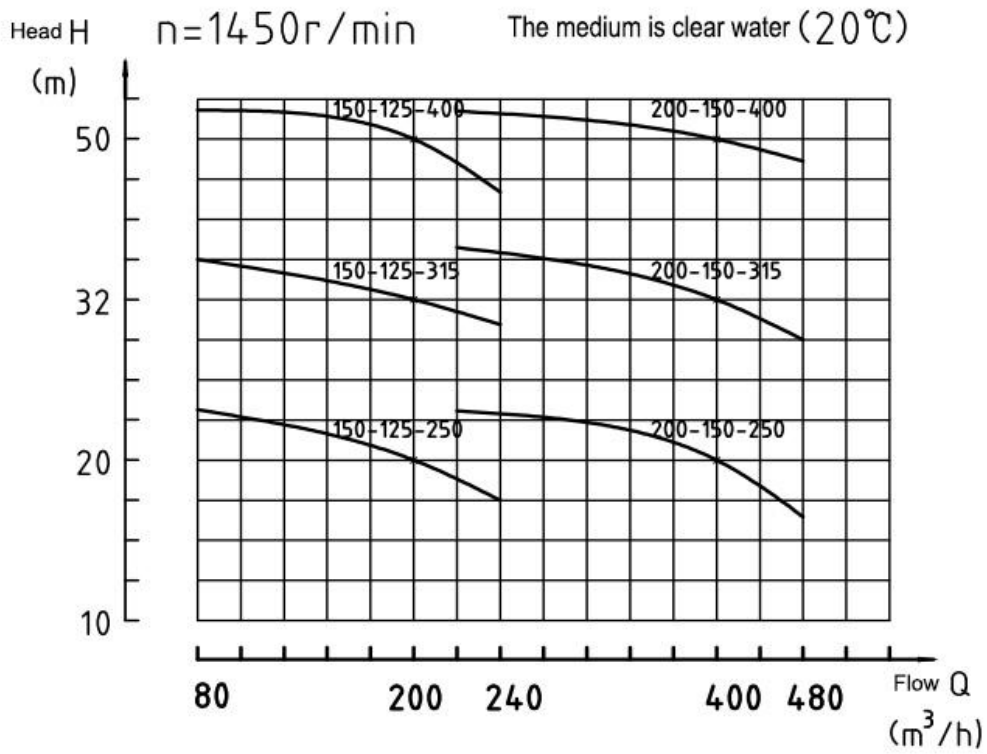
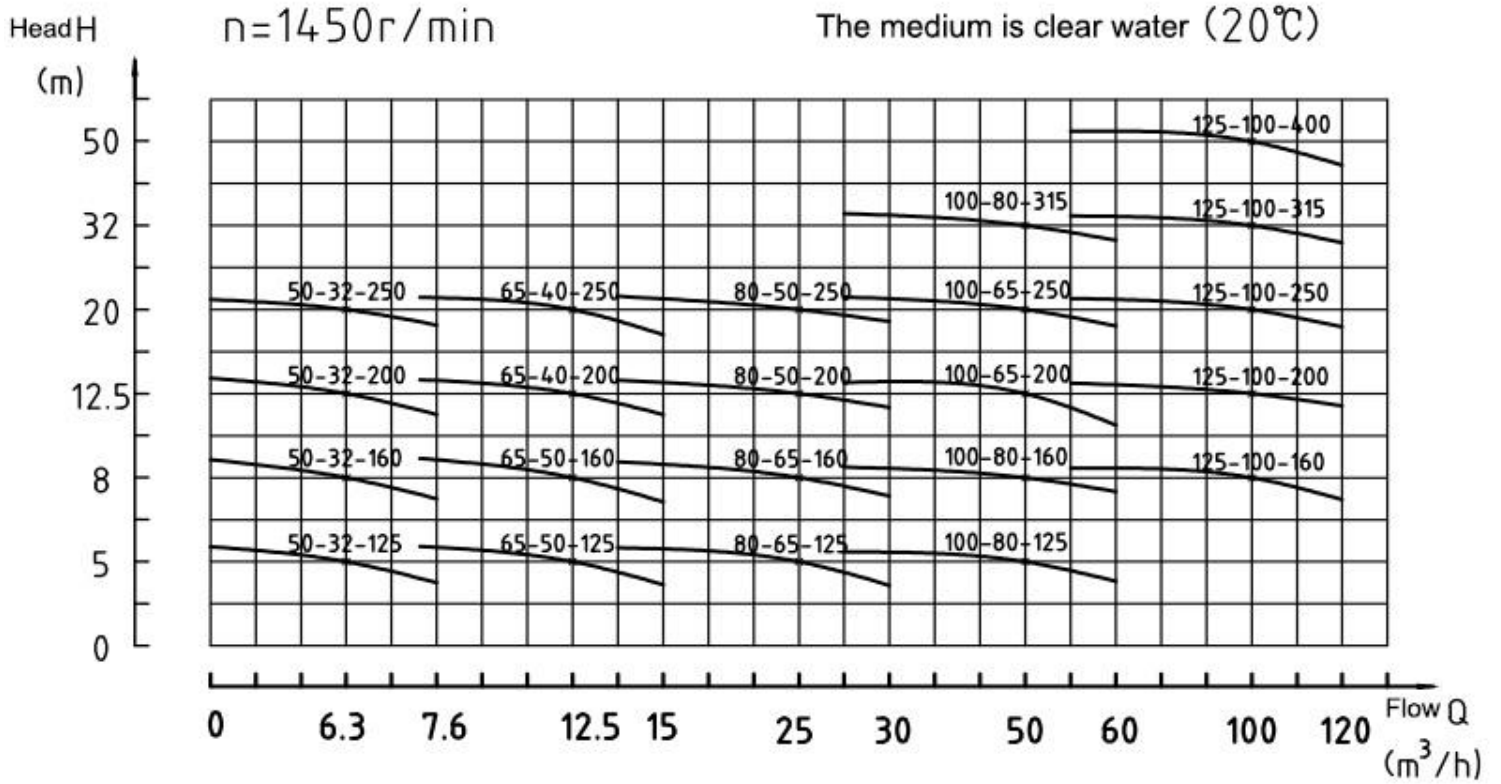
| Model No | Fow Capacity (m3/h) | Pump Head(m) | Efficiency(%) | Motor power | NPSH. | Diameter(mm) | | Rotating speed |
|----------------|------------------------|-----------------|---------------|----------------|-------|--------------|--------|-------------------|
| | | | | | | Inlet | Outlet | |
| IME50-32-125 | 6.3 | 5 | 44 | 0.55 | 2 | 50 | 32 | 1450 |
| IME50-32-160 | 6.3 | 8 | 49 | 0.55 | 2 | 50 | 32 | |
| IME50-32-200 | 6.3 | 12.5 | 38 | 1.1 | 2 | 50 | 32 | |
| IME50-32-250 | 6.3 | 20 | 28 | 1.5 | 2 | 50 | 32 | |
| IME65-50-125 | 12.5 | 5 | 56 | 0.55 | 2 | 65 | 50 | |
| IME65-50-160 | 12.5 | 8 | 55 | 1.1 | 2 | 65 | 50 | |
| IME65-40-200 | 12.5 | 12.5 | 50 | 1.5 | 2 | 65 | 40 | |
| IME65-40-250 | 12.5 | 20 | 35 | 3 | 2 | 65 | 40 | |
| IME80-65-125 | 25 | 5 | 68 | 1.1 | 2.5 | 80 | 65 | |
| IME80-65-160 | 25 | 8 | 67 | 1.5 | 2.5 | 80 | 65 | |
| IME80-50-200 | 25 | 12.5 | 60 | 2.2 | 2.5 | 80 | 50 | |
| IME80-50-250 | 25 | 20 | 58 | 5.5 | 2.5 | 80 | 50 | |
| IME100-80-125 | 50 | 5 | 70 | 1.5 | 2.5 | 100 | 80 | |
| IME100-80-160 | 50 | 8 | 64 | 2.2 | 2.5 | 100 | 80 | |
| IME100-65-200 | 50 | 12.5 | 64 | 5.5 | 2.5 | 100 | 65 | |
| IME100-65-250 | 50 | 20 | 64 | 7.5 | 2.5 | 100 | 65 | |
| IME100-80-315 | 50 | 32 | 50 | 11 | 2.5 | 100 | 80 | |
| IME125-100-160 | 100 | 8 | 63 | 5.5 | 2.8 | 125 | 100 | |
| IME125-100-200 | 100 | 12.5 | 68 | 11 | 2.8 | 125 | 100 | |
| IME125-100-250 | 100 | 20 | 72 | 15 | 3 | 125 | 100 | |
| IME125-100-315 | 100 | 32 | 65 | 18.5 | 3 | 125 | 100 | |
| IME125-100-400 | 100 | 50 | 62 | 30 | 3.4 | 125 | 100 | |
| IME150-125-250 | 200 | 20 | 48 | 30 | 3.6 | 150 | 125 | |
| IME150-125-315 | 200 | 32 | 70 | 30 | 4.1 | 150 | 125 | |
| IME150-125-400 | 200 | 50 | 65 | 55 | 4.1 | 150 | 125 | |
| IME200-150-250 | 400 | 20 | 65 | 45 | 4.5 | 200 | 150 | |
| IME200-150-315 | 400 | 32 | 70 | 75 | 4.5 | 200 | 150 | |
| IME200-150-400 | 400 | 50 | 66 | 110 | 5 | 200 | 150 | |
| IME250-200-315 | 650 | 32 | 53 | 132 | 6.5 | 250 | 200 | |
| IME300-250-315 | 1000 | 32 | 70 | 185 | 6.5 | 300 | 250 | |

Model significance



Performance Curve





Three dimensional figure and material structure

