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NMQ-W

STAINLESS STEEL HEAT PRESERVATION MAGNETIC PUMP

• Working Conditions

Caliber:20-300mm

Operating temperature:-120℃-320℃

Flow range:3m³/h-800m³h

Head range:12.5m-130m

Material range:304,304L,316L,2205/904L, TA2,Hc276

Design 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.

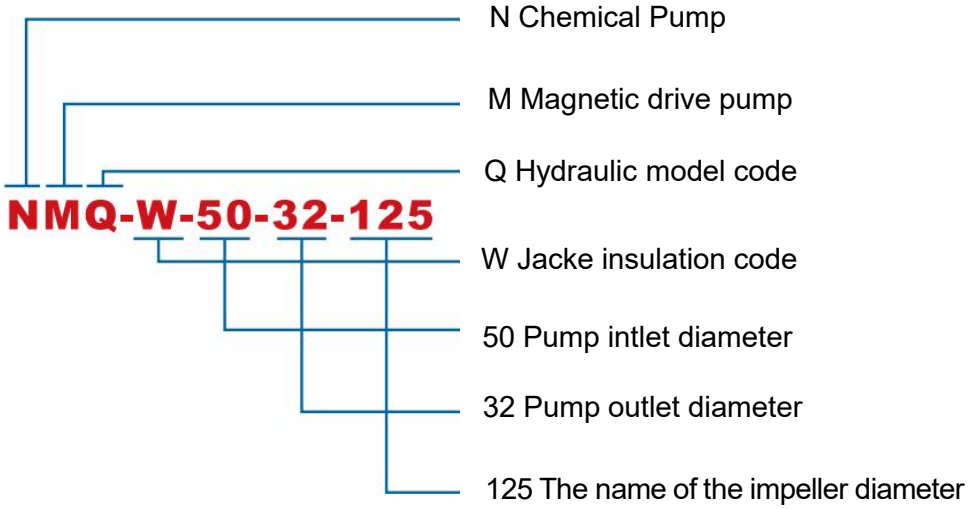
Designed Instruction

The NMQ series stainless steel magnetic pump is a new type of high-efficiency magnetic pump improved from the standard COB metal magnetic pump. It adopts an internationally leading integrated pull-push magnetic circuit and optimized design, increasing magnetic torque by 15% under the same size. The isolation sleeve can be manufactured from materials such as HC276 and TA2, significantly reducing losses caused by magnetic eddy currents. An excellent hydraulic model enhances the overall machine efficiency by 3-8 percentage points. It is supported by double sliding bearings for smooth operation. For temperatures below 100℃, Nd-Fe-B magnetic material with the highest magnetic energy product is selected, while samarium-cobalt magnetic material with high-temperature resistance ranging from 100℃ to 320℃ is employed. The product exhibits high compatibility, standardization, and universality.

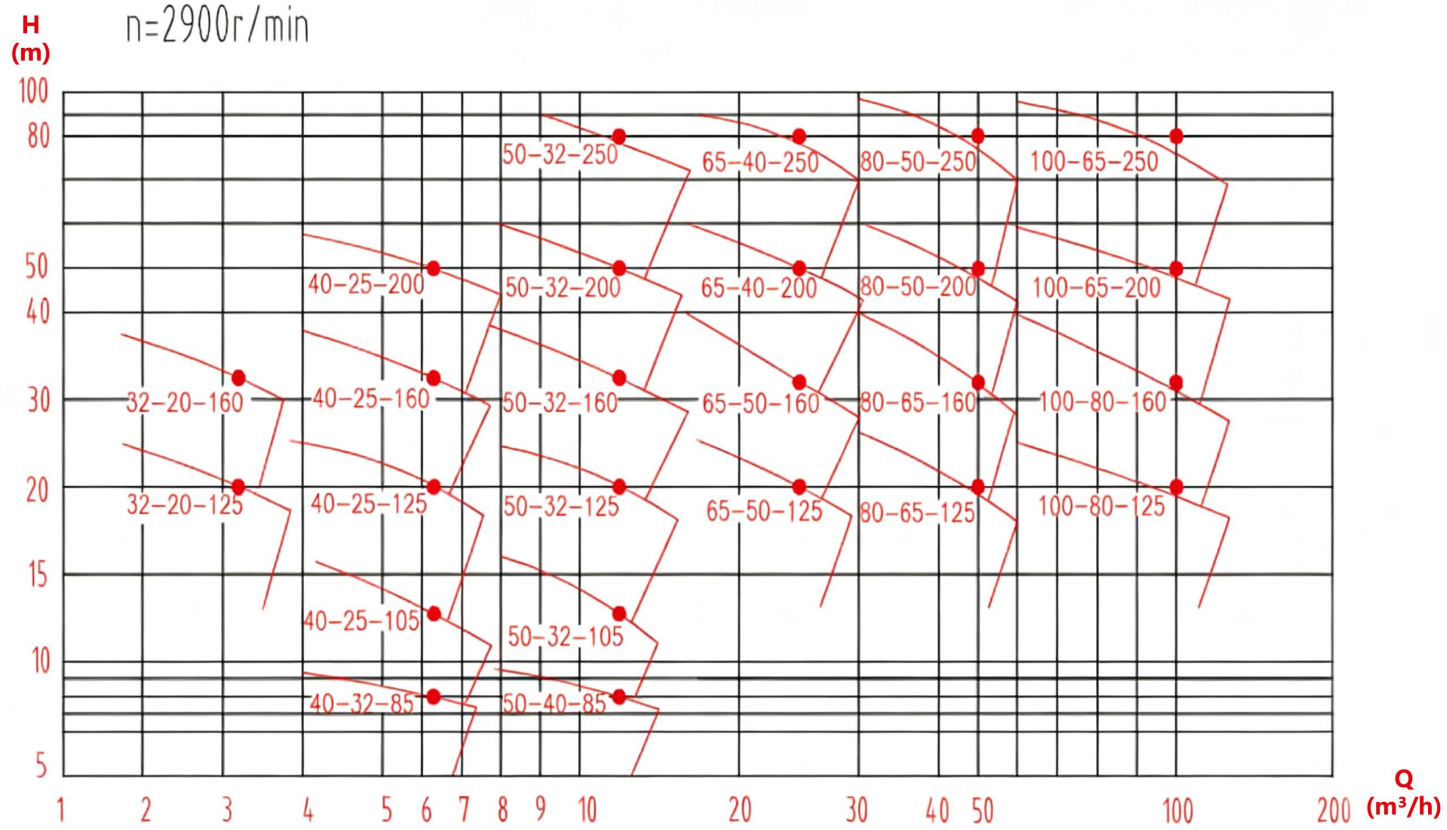
Performance Parameter Table

Model No	Fow Capacity (m3/h)	Pump Head(m)	NPSHr	Efficiency(%)	Water shaft power	Motor power	Rotating speed	Diameter(mm)	
								Inlet	Outlet
32-20-160	3.2	32	2	15%	1.86	2.2	2900	32	20
32-32-200	3.2	50	2	12%	3.63	5.5	2900	32	32
40-25-125	6.3	20	2	20%	1.72	2.2	2900	40	25
40-25-160	6.3	32	2	23%	2.39	3	2900	40	25
40-25-200	6.3	50	2	18%	4.77	5.5	2900	40	25
40-32-250	6.3	80	2	13%	10.56	15	2900	40	32
50-32-125	12.5	20	2	27%	2.52	3	2900	50	32
50-32-160	12.5	32	2	28%	3.89	4	2900	50	32
50-32-200	12.5	50	2	30%	5.68	7.5	2900	50	32
50-32-250	12.5	80	2	21%	12.98	18.5	2900	50	32
65-50-125	25	20	2	41%	3.32	4	2900	65	50
65-50-160	25	32	2	36%	6.06	7.5	2900	65	50
65-40-200	25	50	2	32%	10.64	15	2900	65	40
65-40-250	25	80	2	24%	22.71	30	2900	65	40
65-40-315	25	125	2.4	26%	32.75	45	2900	65	40
80-65-125	50	20	2.4	56%	4.87	5.5	2900	80	65
80-65-160	50	32	2.4	44%	9.91	15	2900	80	65
80-50-200	50	50	2.4	44%	15.48	18.5	2900	80	50
80-50-250	50	80	2.4	38%	28.68	37	2900	80	50
80-50-315	50	125	2.4	40%	42.57	55	2900	80	50
100-80-125	100	20	3.2	48%	11.35	15	2900	100	80
100-80-160	100	32	3.2	47%	18.55	22	2900	100	80
100-65-200	100	50	3.2	47%	28.99	37	2900	100	65
100-65-250	100	80	3.2	51%	42.74	55	2900	100	65
100-65-315	100	125	3.2	34%	100.18	110	2900	100	65
125-125-125	140	20	4.5	38%	20.08	22	2900	125	125
125-80-160	160	32	4.5	43%	32.44	37	2900	125	80
125-100-200	200	50	4.5	59%	46.18	55	2900	125	100
125-100-250	200	80	4.5	41%	106.33	110	2900	125	100
150-125-250	200	20	2.8	51%	21.37	22	1450	150	125
150-125-315	200	32	2.8	57%	30.59	37	1450	150	125
150-125-400	200	50	2.8	56%	48.66	55	1450	150	125
200-150-250	400	20	3.2	68%	32.06	37	1450	200	150
200-150-315	400	32	3.5	66%	52.84	75	1450	200	150
200-150-400	400	50	3.8	52%	104.8	110	1450	200	150
250-200-400	600	50	4	47%	173.92	185	1450	250	200

Model significance



Performance Curve



Three dimensional figure and material structure