



KHM



MultiBOOST

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## **Section 1**

### **KHM Pumps**

## 1. Introduction

KHM and KM are horizontal multistage, end suction centrifugal pumps. These are non-self-priming closed couple pumps. These pumps are coupled with line operated induction motors. These are available in single as well as in three phase variants.

## 2. Pump Features

- Robust Construction
- Compact Design
- Stainless steel (SS304 / SS 316) hydraulic components
- Low Vibrations and noise
- High reliability
- Service friendly
- Wide usage

## 3. Application

- multiBOOST (Single Booster Pump)
- moviBOOST Dual (Twin Booster Pump)
- Washing and cleaning
- Water treatment
- Temperature control
- Chemical industry
- Pharmaceutical industry

## 4. Operating Data (50 Hz)

- |                          |   |                |
|--------------------------|---|----------------|
| • Capacity               | Q | Up to 20 M3/Hr |
| • Head                   | H | Up to 50 Mtrs. |
| • Maximum Power Required | P | Up to 4.0 kW   |
| • Nominal Speed          | N | 2900 RPM       |

## 5. Water characteristics

Multistage open well surface pumps are designed for handling the clean or slightly contaminated water with the following main characteristics: (As per IS 9079: 2018)

- Turbidity : 50 ppm\*, Max (Silica Scale)
- Chlorides : 500 ppm\*, Max
- Total Solids : 3000 ppm\*, Max
- PH Value : 6.5 to 8.5
- Specific Gravity : 1.004 Max
- Hardness : 300, Max (Drinking Water)

*\*ppm – parts per million*

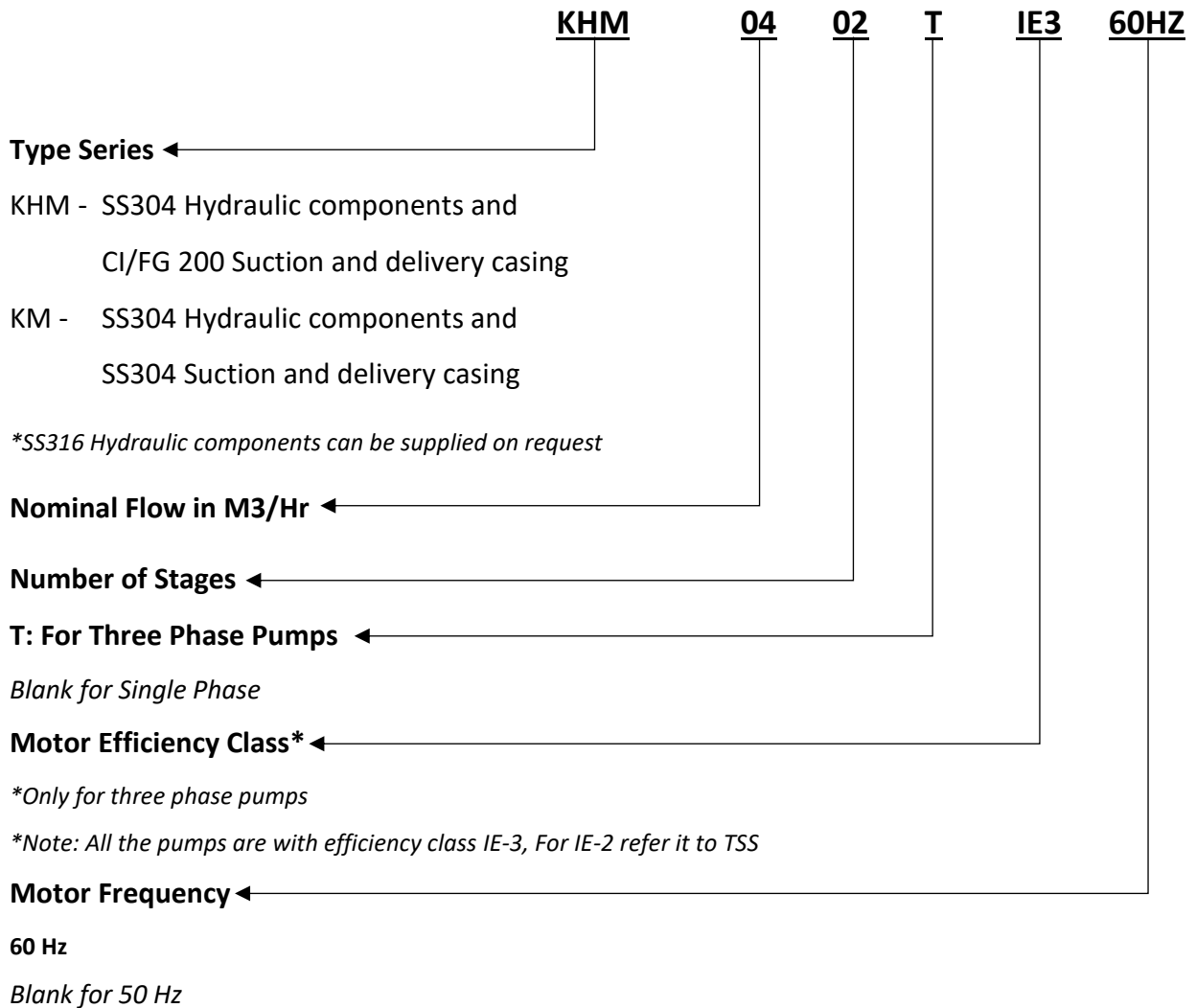
## 6. Working Conditions

- Fluid Temperature : +15 °C ~ +70 °C
- Ambient Temperature : ≤ 50 °C
- Maximum Suction Lift : 3 Mtrs
- Maximum Pressure : 10 Bar
- Supply Voltage : 220 VAC (+6 to -15%) ...For Single Phase  
415 VAC (+6 to -15%) ...For Three Phase
- IP Rating : IP 55
- Insulation Class : Class F
- Mode of Operation : Continuous Operation S1
- Installation : Horizontal Installation

## 7. Pump Design

Pumps is developed for variety of customers, these KHM and KM are non-self-priming horizontal multistage end-suction centrifugal pumps, and these pumps are closed couple type. These pumps have a suction inlet axially and outlet radially. The diffuser and impellers are of stainless steel. These pumps are coupled to AC induction motor. The motor has two variants of single and three phase supply. These pumps are useful for clean water application, for single pump boosters, two pump booster systems, or even individual pumps for bathrooms, domestic supply systems, irrigation systems, fountains, water treatment systems etc.

## 8. Pump Designation



## 9. Material of Construction

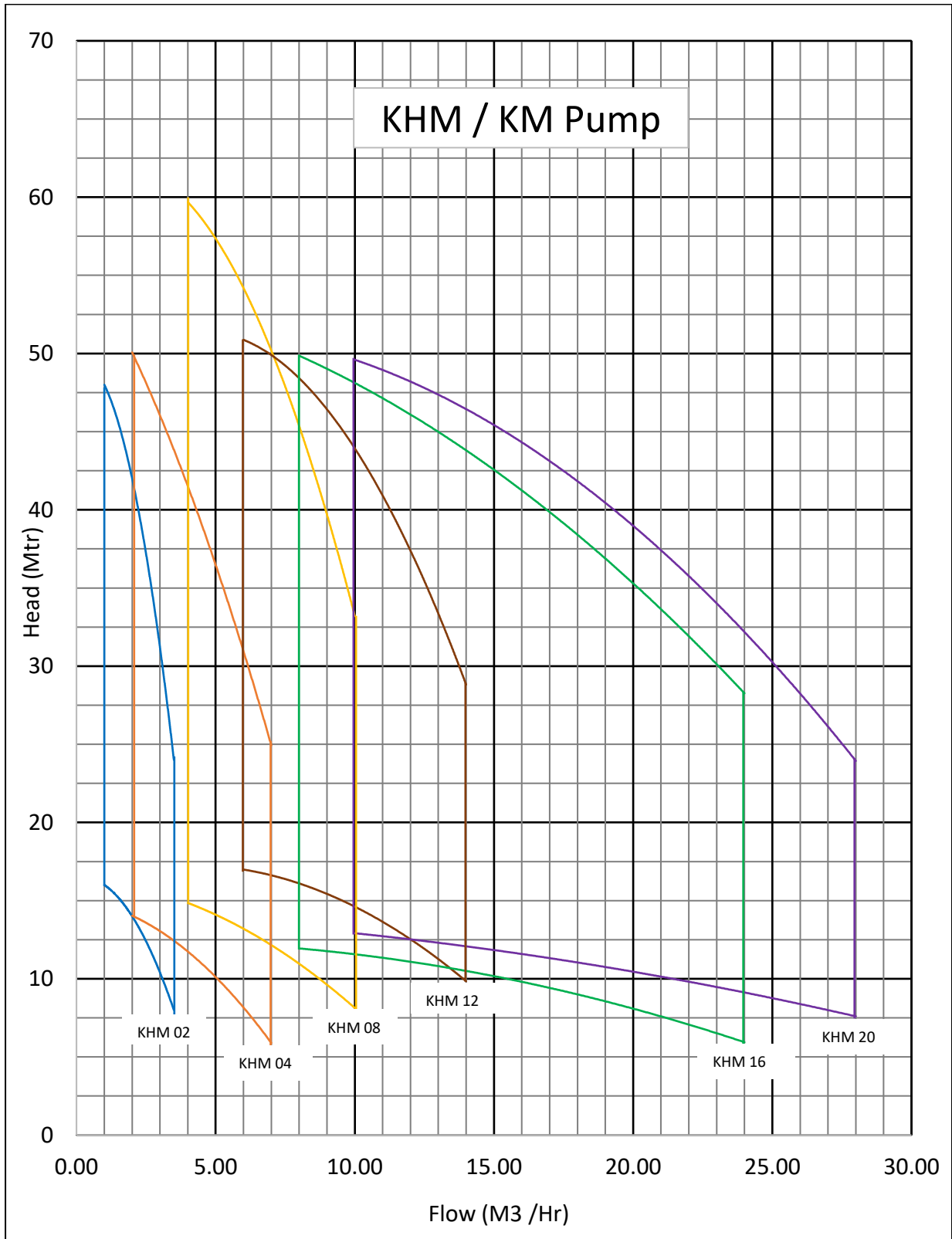
Sr. No.	PART NAME	MOC	
		KHM	KM
1	SUCTION CASING	CIFG 200	SS-304
2	IMPELLER	SS-304 / SS-316	SS-304 / SS-316
3	DIFFUSER PLATE/ STAGE CASING	SS-304 / SS-316	SS-304 / SS-316
4	MECHANICAL SEAL	CARBON/SILICON CARBIDE/ EPDM	CARBON/ SILICON CARBIDE/ EPDM
5	COVER	ABS / METAL ALLOY	ABS / METAL ALLOY
6	FAN	PP	PP
7	ROTOR	Aluminium	Aluminium
8	O-Ring	NBR	NBR

*\*For SS316 Hydraulic components Contact to TSS*

## 10. Pump End Connections

Pump Type	Suc. Size (Inches)	Del. Size (Inches)
KHM / KM – 2	1.00"	1.00"
KHM / KM – 4	1.25"	1.00"
KHM / KM – 8	1.50"	1.25"
KHM / KM – 12	1.50"	1.50"
KHM / KM – 16	2.00"	2.00"
KHM / KM – 20	2.00"	2.00"

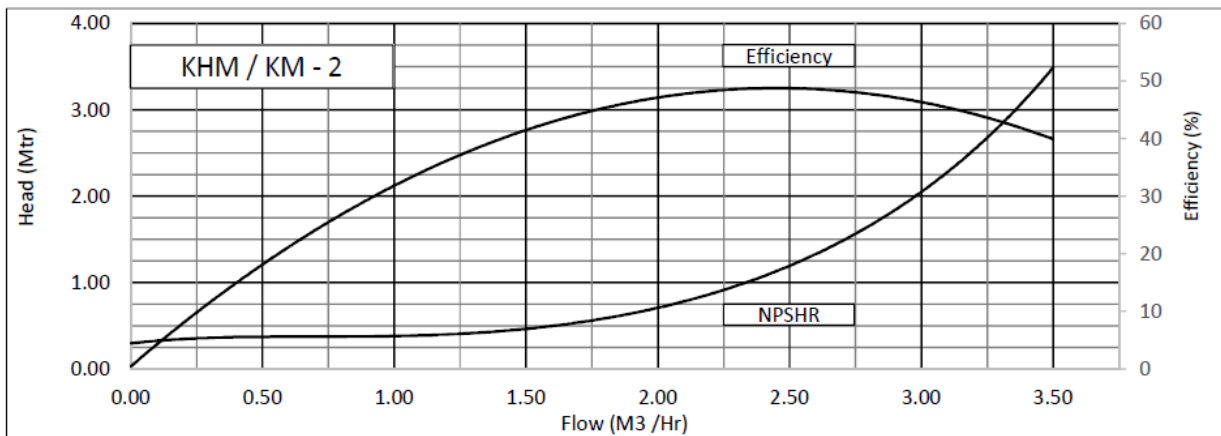
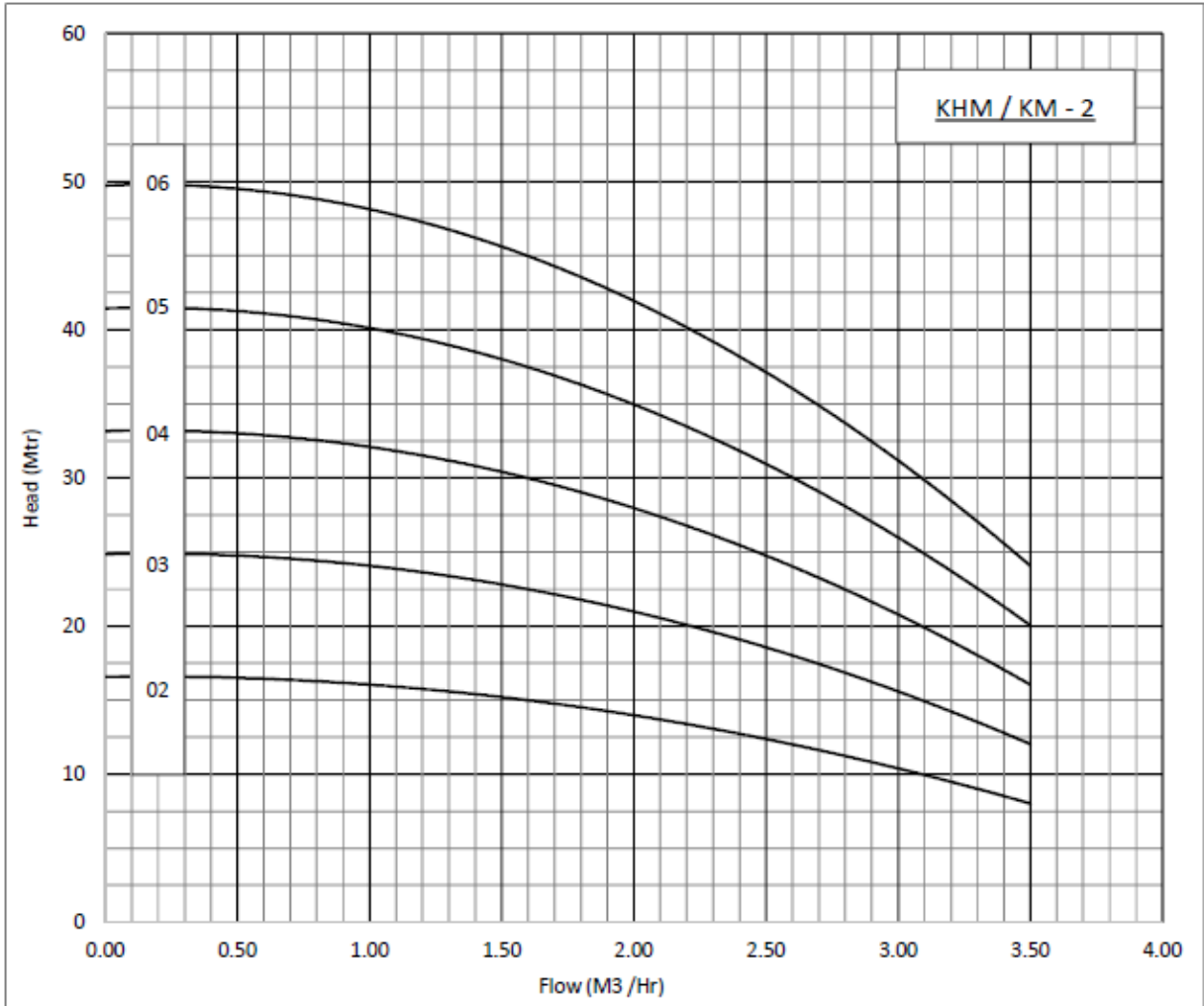
### 11. Family Curves (KHM / KM) – 2900 rpm (50 Hz)





**12. Performance Curves KHM / KM Pump**

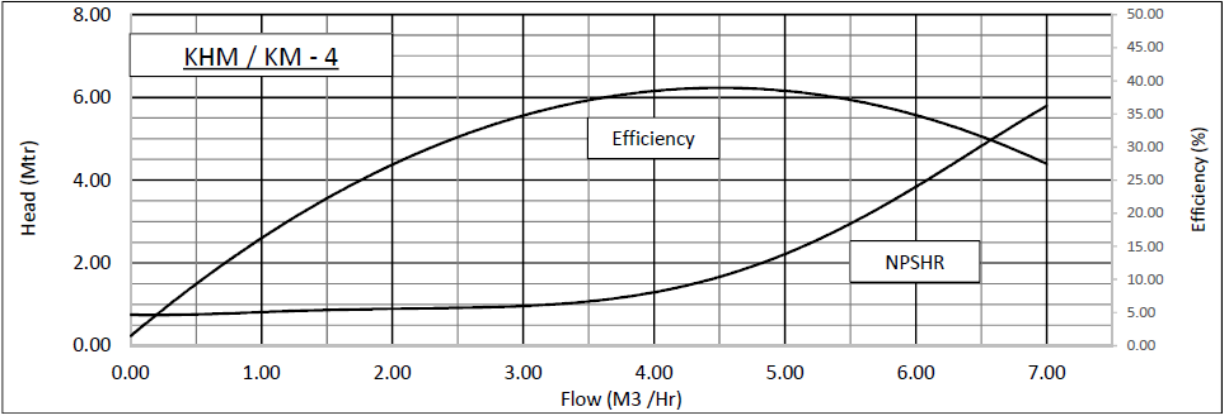
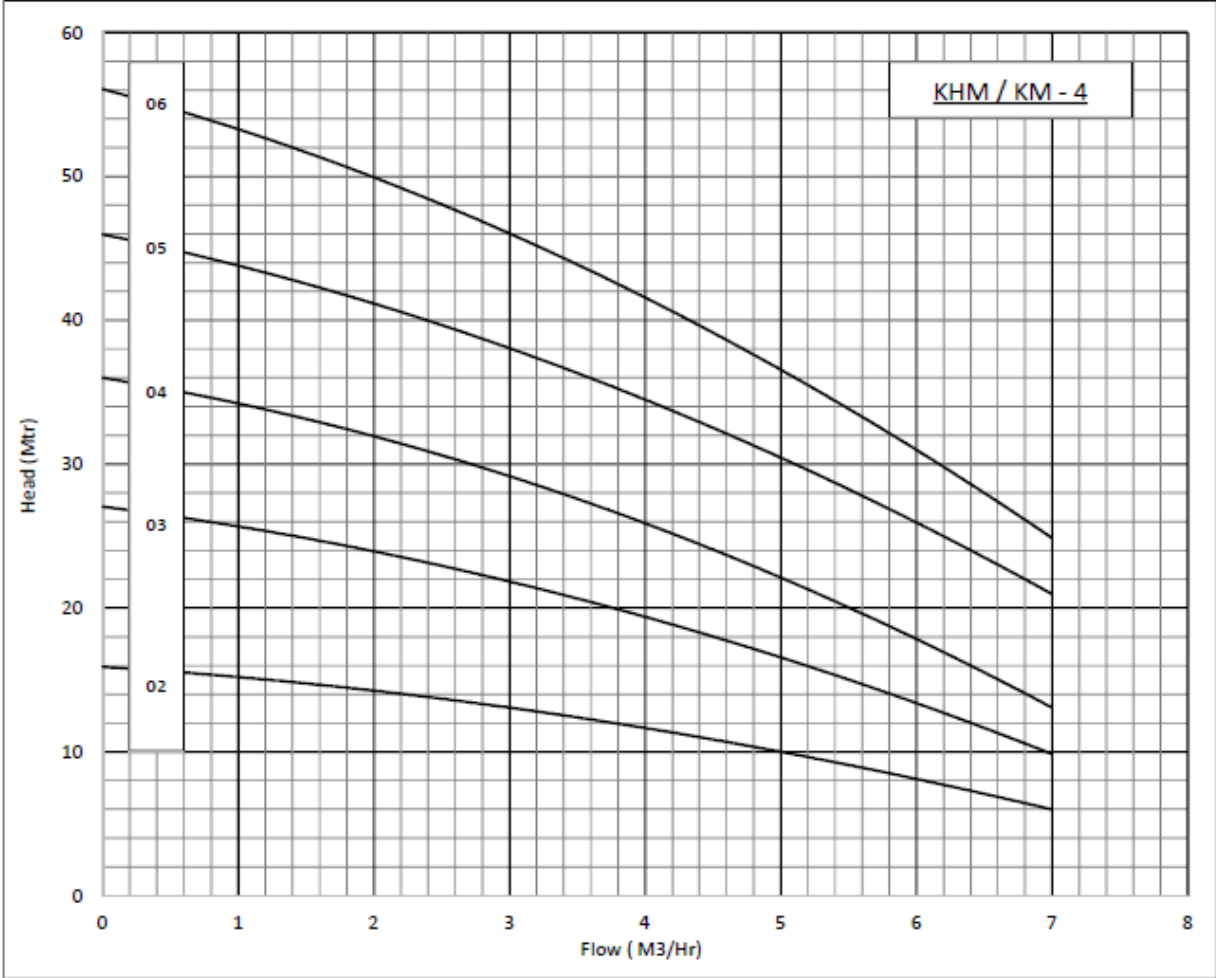
**a. KHM / KM 2 (50 Hz)**



**a. KHM / KM 2 (50 Hz)**

Pump Type	No. of Stages	Motor Rating		Motor Current		<i>Head Vs Discharge for Pump Type KHM - 2</i>							
		kW	HP	1 Ph	3 Ph	Q-Discharge (m <sup>3</sup> / hr)	0.00	1.00	1.50	2.00	2.50	3.00	3.50
KHM 0202	2	0.37	0.50	3.70	1.40	Head (m)	17	16	15	14	12	10	8
KHM 0203	3	0.37	0.50	3.70	1.40		25	24	23	21	19	16	12
KHM 0204	4	0.37	0.50	3.70	1.40		33	32	30	28	25	21	16
KHM 0205	5	0.37	0.50	3.70	1.40		42	40	38	35	31	26	20
KHM 0206	6	0.75	1.00	6.20	2.20		50	48	46	42	37	31	24

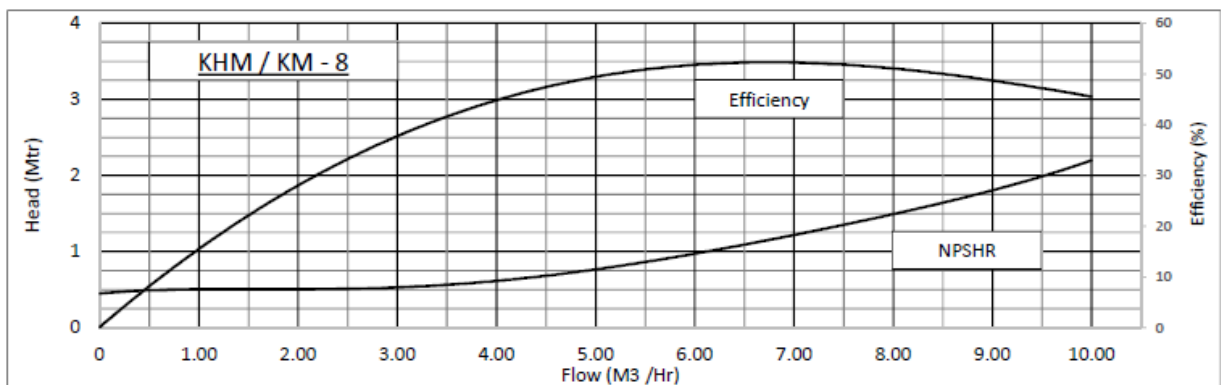
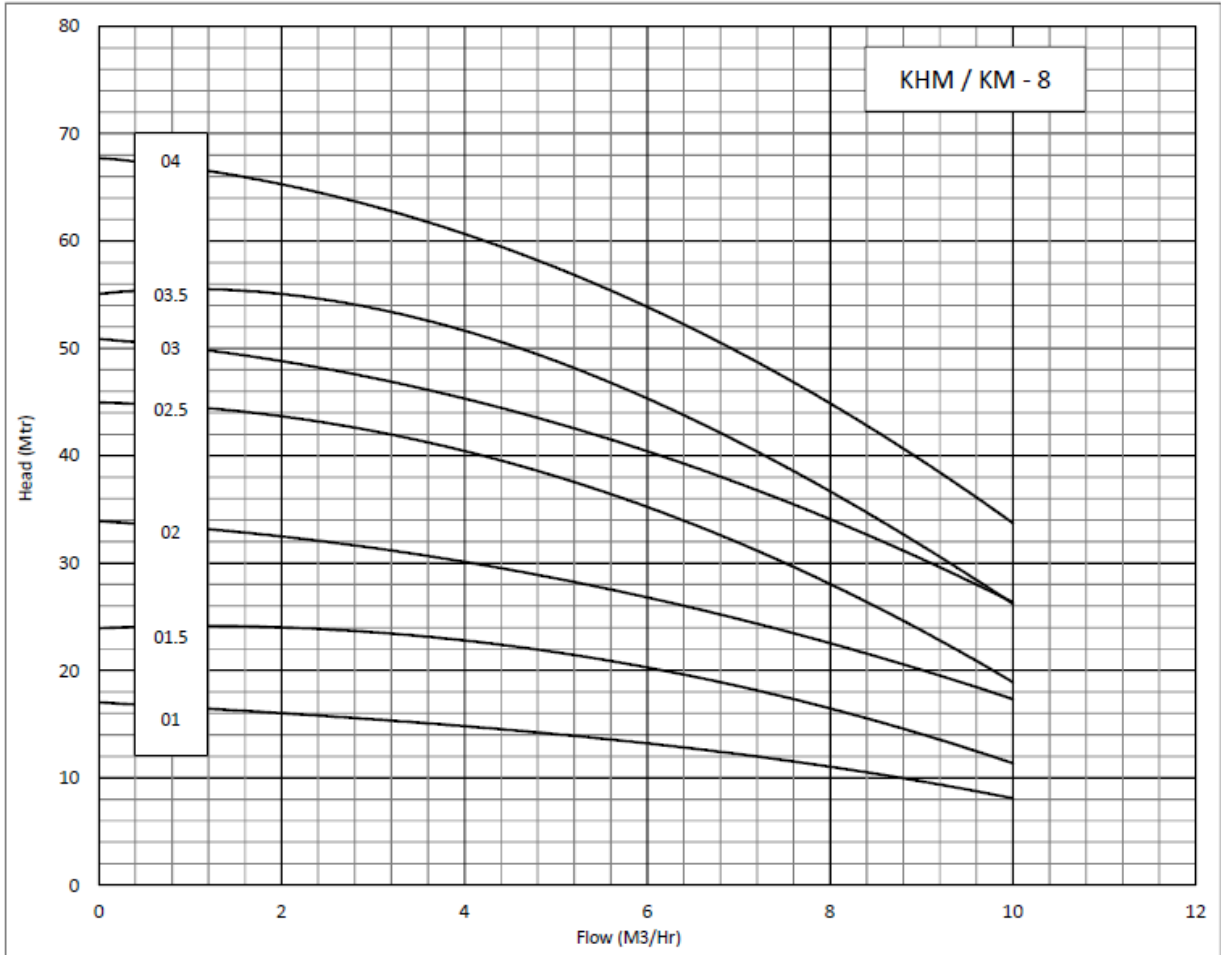
**b. KHM / KM 4 - (50 Hz)**



**b. KHM / KM 4 - (50 Hz)**

Pump Type	No. of Stages	Motor rating		Motor Current		Head Vs Discharge for Pump Type KHM - 4							
		kW	HP	1 Ph	3 Ph	Q-Discharge (m <sup>3</sup> / hr)	0.0	2.0	3.0	4.0	5.0	6.0	7.0
KHM 0402	2	0.37	0.50	3.70	1.40	Head (m)	16	14	13	12	10	8	6
KHM 0403	3	0.75	1.00	6.20	2.20		27	24	22	19	17	13	10
KHM 0404	4	0.75	1.00	6.20	2.20		36	32	29	26	22	18	13
KHM 0405	5	1.10	1.50	7.00	3.10		46	41	38	35	30	26	21
KHM 0406	6	1.10	1.50	7.00	3.10		56	50	46	42	36	31	25

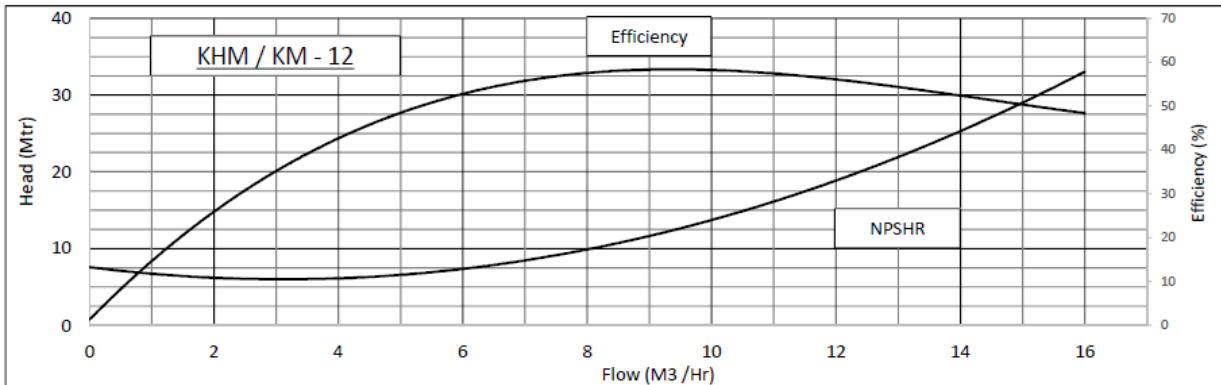
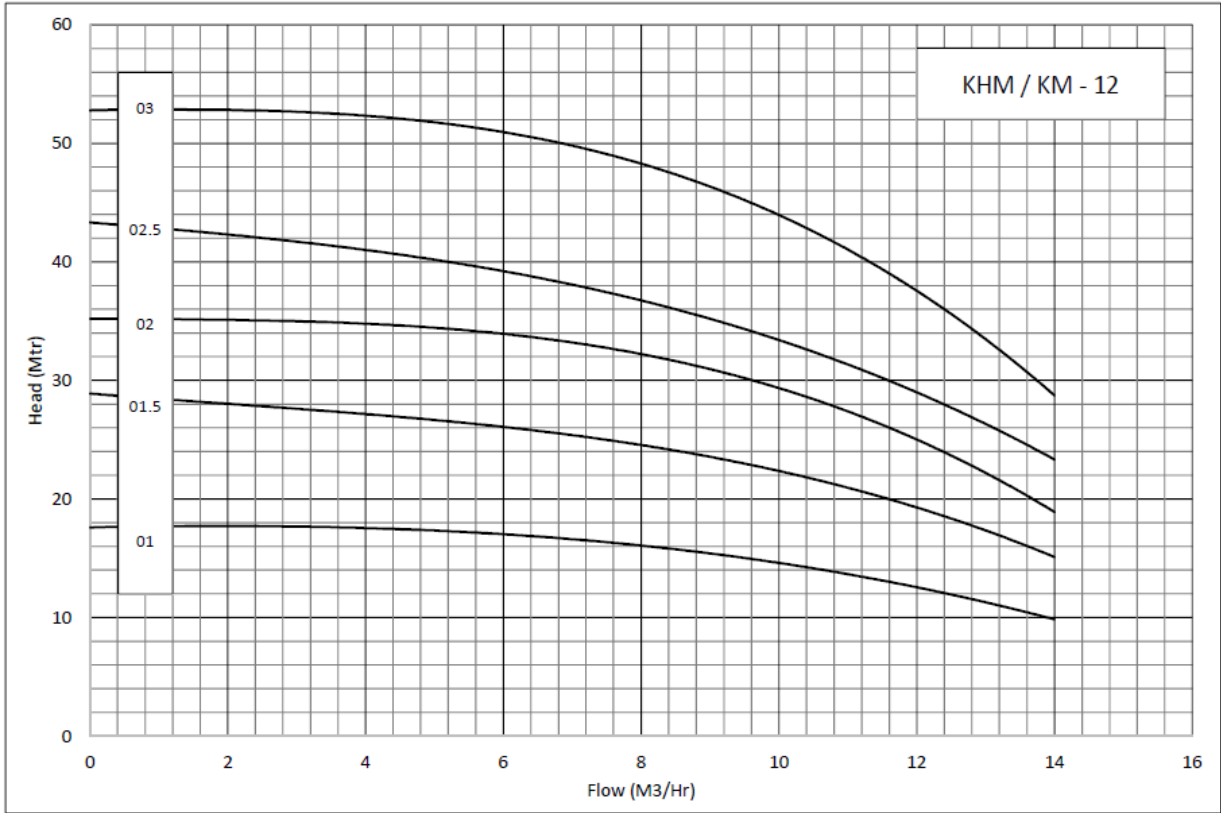
**c. KHM / KM 8 - (50 Hz)**



**c. KHM / KM 8 - (50 Hz)**

Pump Type	No. of Stages	Motor rating		Motor Current		Head Vs Discharge for Pump Type KHM - 8							
		kW	HP	1 Ph	3 Ph	Q-Discharge (M3/ hr)	0.0	4.0	5.0	6.0	7.0	8.0	10.0
KHM 0801	1	0.37	0.50	3.70	1.40	Head (m)	17	15	14	13	12	12	8
KHM 0801.5	2	0.75	1.00	6.20	2.20		24	23	21	20	19	17	11
KHM 0802	2	1.10	1.50	7.00	3.10		34	30	28	27	25	23	17
KHM 0802.5	3	1.50	2.00	12.00	4.20		45	40	38	36	32	25	19
KHM 0803	3	2.20	3.00	12.00	4.20		51	45	43	40	38	35	26
KHM 0803.5	4	2.20	3.00	16.00	5.60		55	53	48	45	41	38	26
KHM 0804	4	2.20	3.00	16.00	5.60		68	60	57	54	50	46	33

**d. KHM / KM 12 - (50 Hz)**

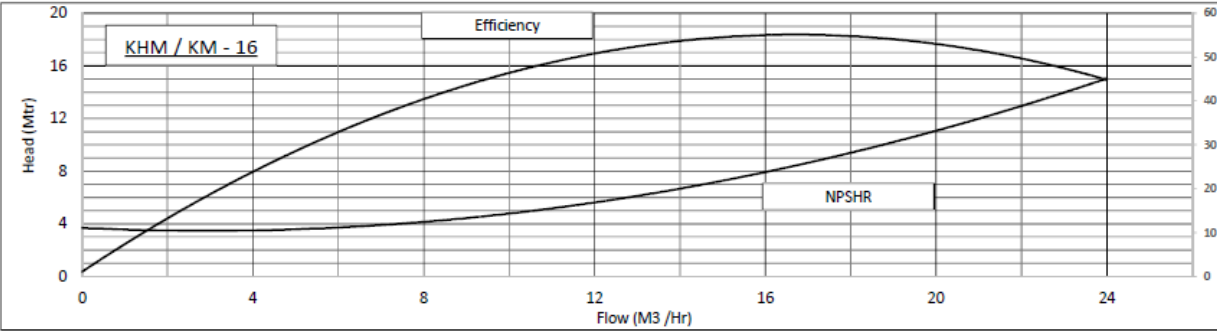
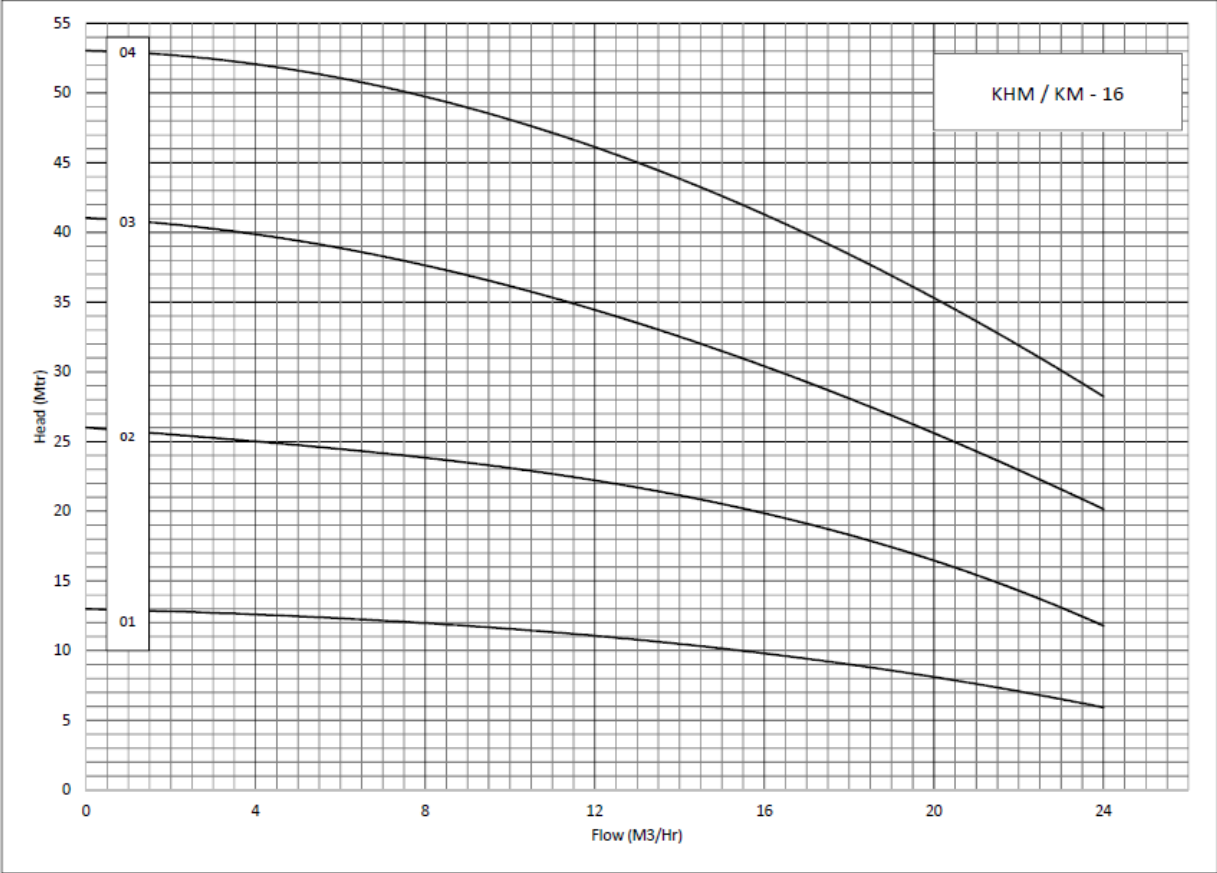


**d. KHM / KM 12 - (50 Hz)**

Pump Type	No. of Stages	Motor rating		Motor Current		Head Vs Discharge for Pump Type KHM - 12							
		kW	HP	1 Ph	3 Ph	Q-Discharge (m <sup>3</sup> / hr)	0.0	6.0	8.0	10.0	12.0	13.0	14.0
KHM 1201	1	1.10	1.50	7.00	3.10	Head (m)	18	17	16	15	13	11	10
KHM 1201.5	2	1.50	2.00	12.00	4.20		29	26	24	22	19	17	15
KHM 1202	2	2.20	3.00	12.00	4.20		35	34	32	30	26	22	19
KHM 1202.5	3	2.20	3.00	16.00	5.60		43	39	36	34	29	26	23
KHM 1203	3	3.00	4.00	NA	8.90		53	51	48	44	39	33	29



**e. KHM / KM 16 - (50 Hz)**



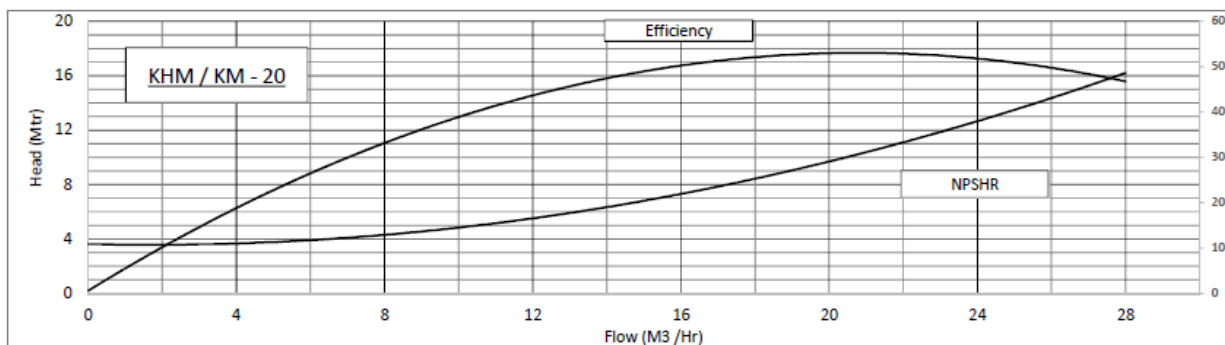
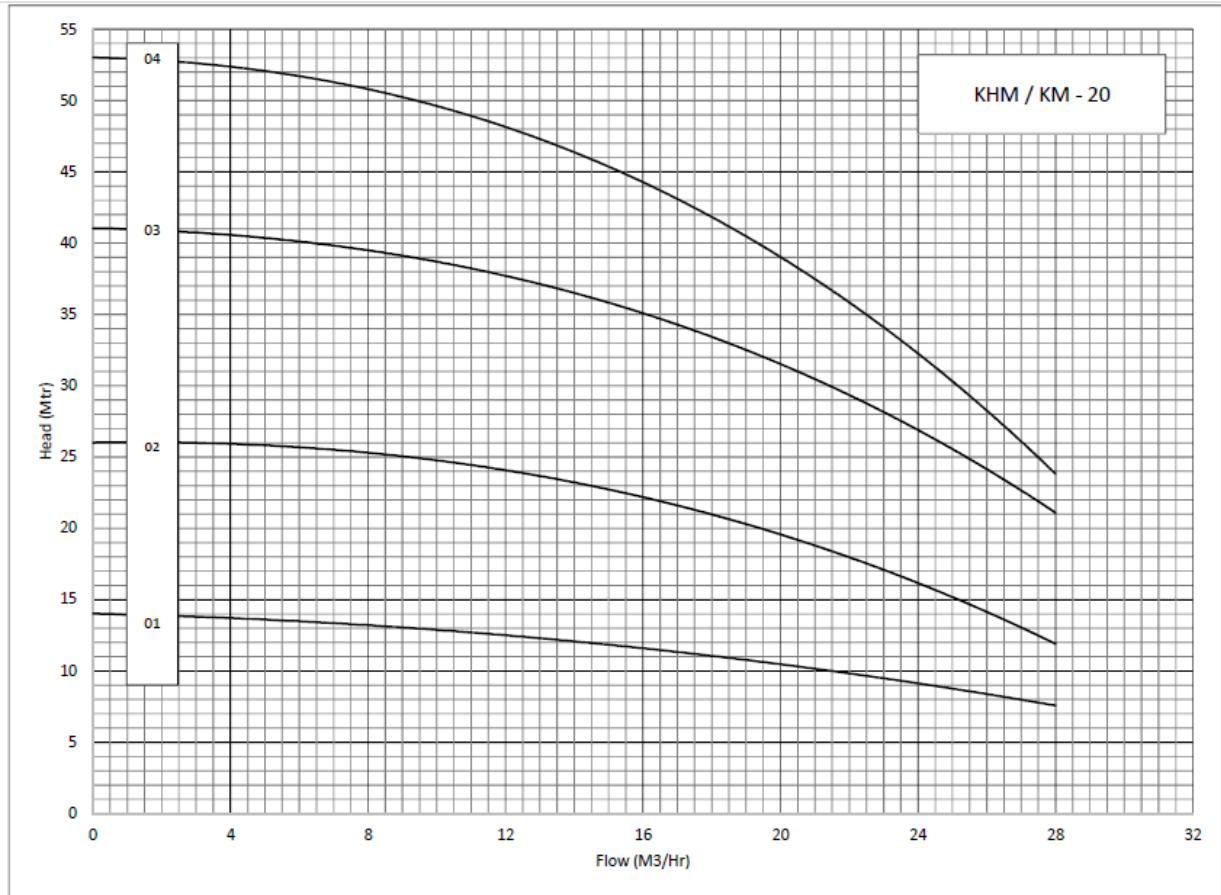
**e. KHM / KM 16 - (50 Hz)**

Pump Type	No. of Stages	Motor rating		Motor Current		Head Vs Discharge for Pump Type KHM - 16										
		kW	HP	1Ph**	3Ph**	Q-Discharge (m3/ hr)	0	8	10	12	14	16	18	20	22	24
KHM 1601	1	1.10	1.50	-	-	Head (m)	13	12	12	11	11	10	9	8	7	6
KHM 1602	2	1.50	2.00	-	-		26	24	23	22	21	20	19	16	14	12
KHM 1603	3	2.20	3.00	-	-		41	38	36	34	33	30	28	26	23	20
KHM 1604	4	3.00	4.00	-	-		53	50	48	46	44	41	38	36	32	28

*\*For KHM 16 and KHM 20 please refer to TSS.*

*\*\*Motor Current will be updated shortly*

**f. KHM / KM 20 - (50 Hz)**



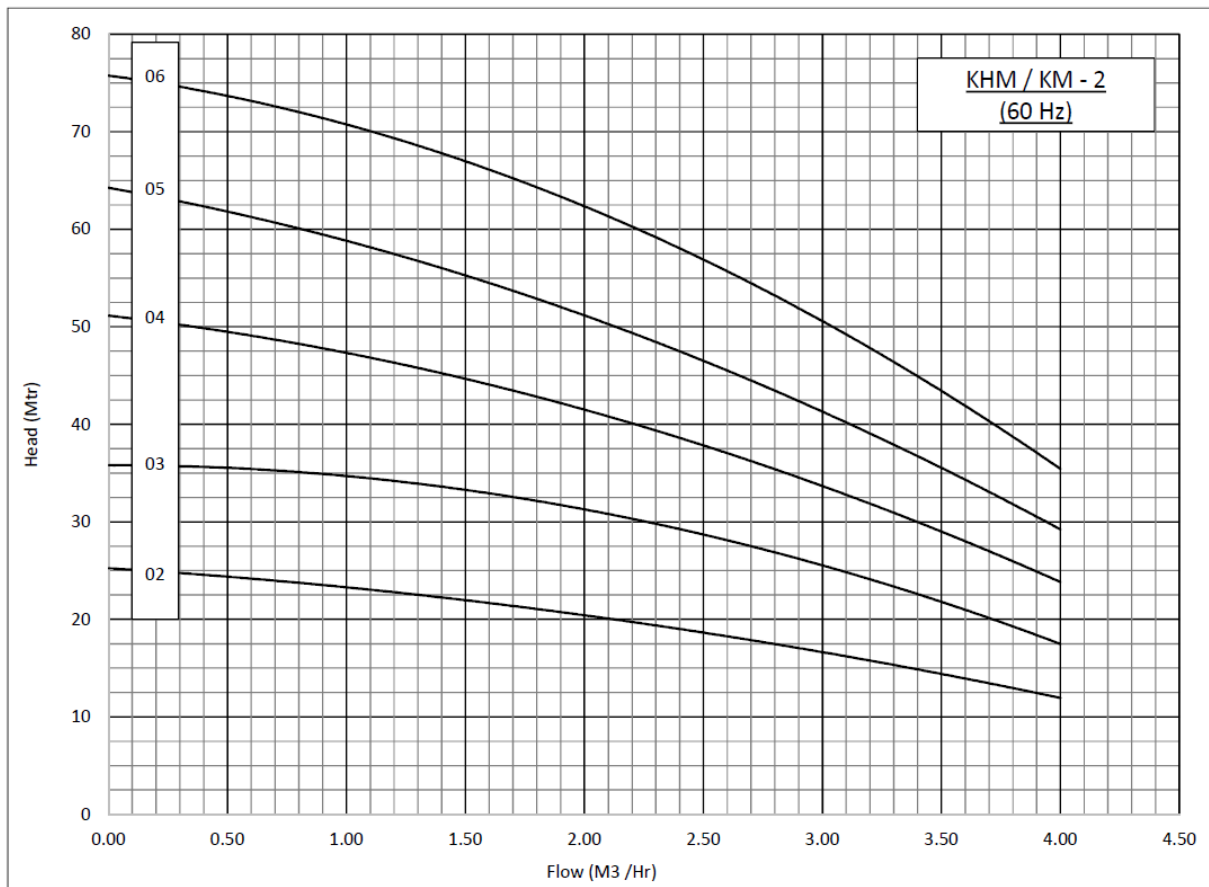
**g. KHM / KM 20 - (50 Hz)**

Pump Type	No. of Stages	Motor rating		Motor Current		Head Vs Discharge for Pump Type KHM - 20												
		kW	HP	1Ph**	3Ph**	Q-Discharge (m <sup>3</sup> /hr)	0	10	12	14	16	18	20	22	24	26	28	
KHM-20																		
KHM 2001	1	1.10	1.50	-	-	Head (m)	14	13	13	12	12	11	11	10	9	9	8	
KHM 2002	2	1.50	2.00	-	-		26	25	24	23	22	21	20	18	16	14	12	
KHM 2003	3	3.00	4.00	-	-		41	39	38	36	35	33	32	30	27	24	21	
KHM 2004	4	4.00	5.50	-	-		53	50	48	46	44	42	40	36	32	28	24	

*\*For KHM 16 and KHM 20 please refer to TSS.*

*\*\*Motor Current will be updated shortly*

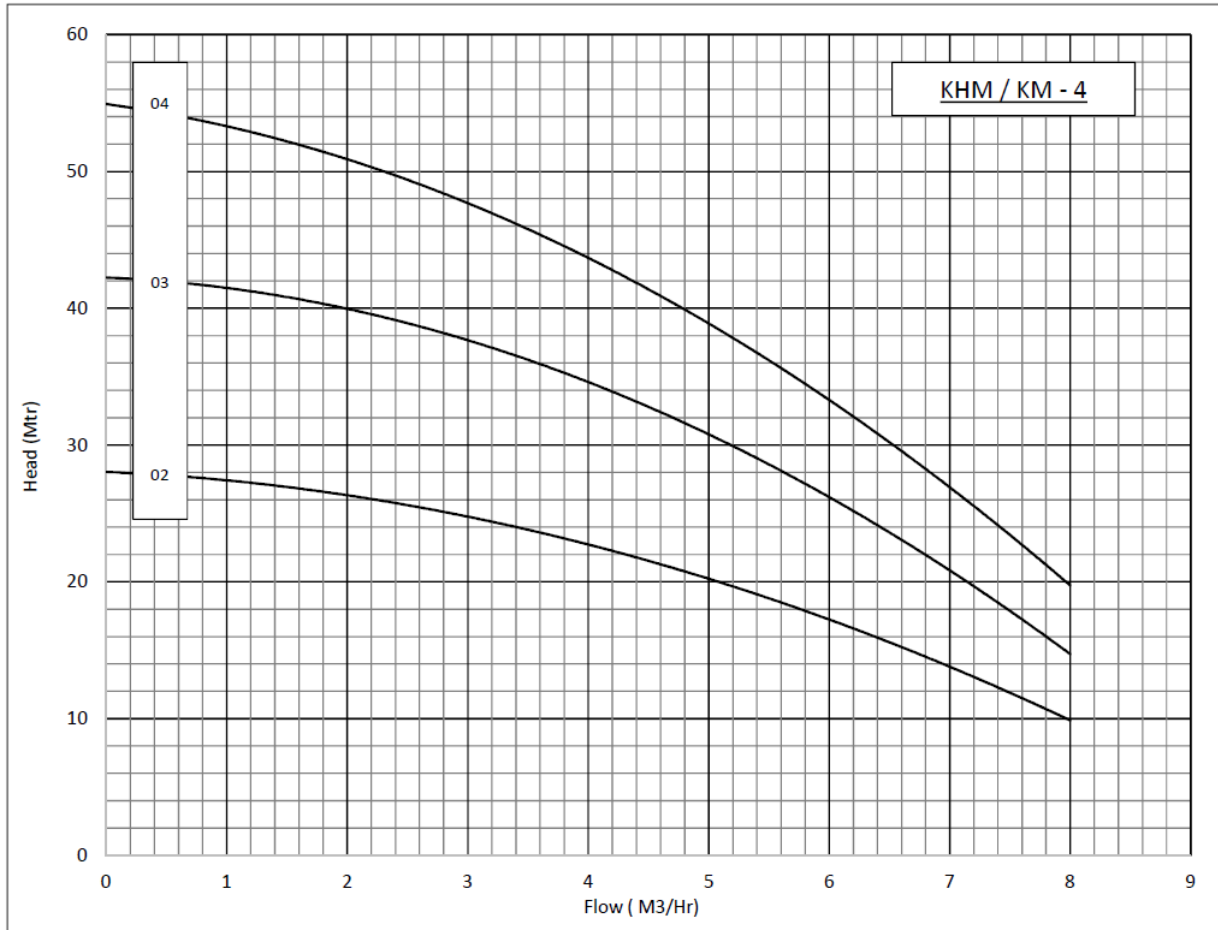
**h. KHM / KM 2 (60 Hz)**



Pump Type	No. of Stages	Motor rating		Q-Discharge (m3/ hr)	Head Vs Discharge for Pump Type KHM - 2										Discharge Q (m <sup>3</sup> /h)	Head H(mtr)	Suc. Size mm	Del. Size mm
		kW	HP		0.00	0.80	1.20	1.60	2.00	2.40	2.80	3.20	3.60	4.00				
KHM 0202	2	0.37	0.50	Head (m)	25	24	23	22	20	19	17	16	14	12	0.8-4.0	24-12	25	25
KHM 0203	3	0.55	0.75		35	36	35	33	31	29	26	24	21	18	0.8-4.0	36-18	25	25
KHM 0204	4	0.75	1.00		51	48	47	44	42	38	35	32	28	24	0.8-4.0	48-24	25	25
KHM 0205	5	0.75	1.00		64	60	58	55	51	47	43	40	33	30	0.8-4.0	60-30	25	25
KHM 0206	6	1.10	1.50		76	71	70	66	63	58	53	48	41	36	0.8-4.0	71-36	25	25

*\*Contact to TSS for other than above mentioned pump-stage combination with supply frequency of 60 Hz.*

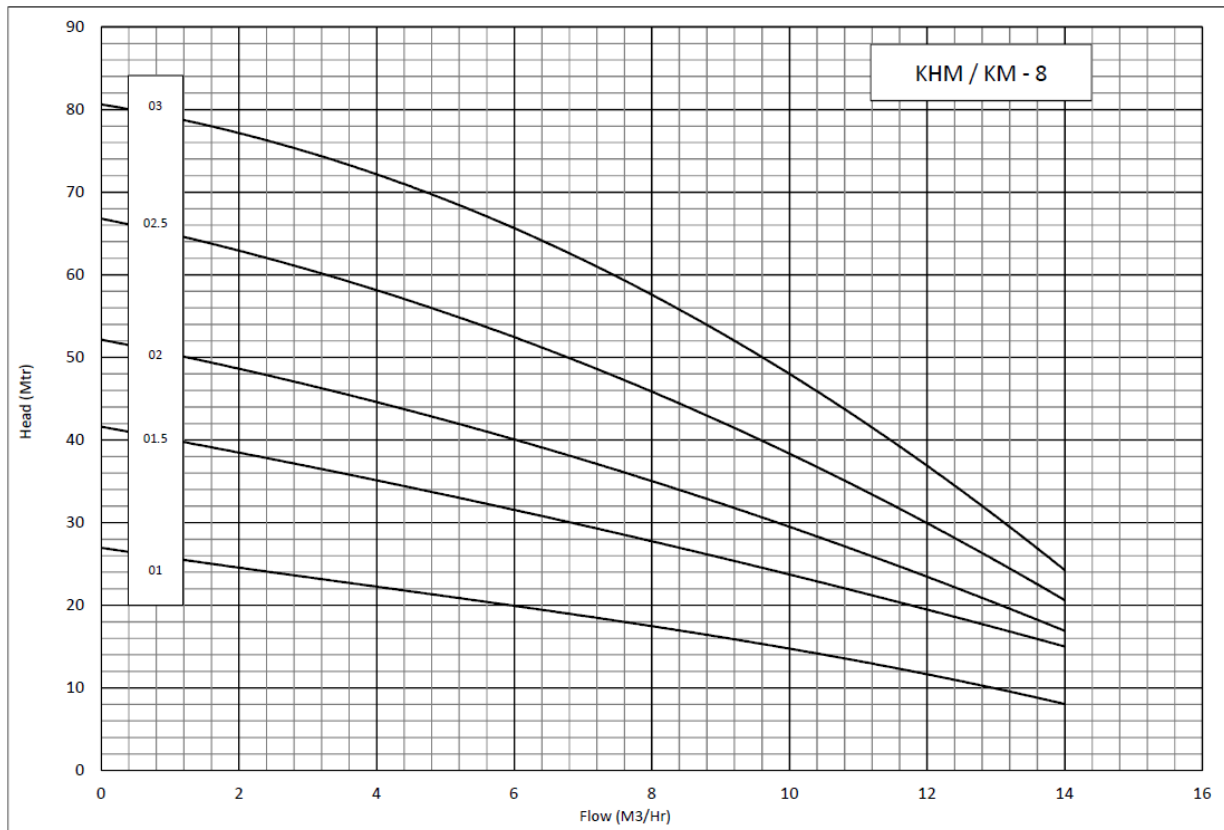
**i. KHM / KM 4 (60 Hz)**



Pump Type	No. of Stages	Motor rating		Q-Discharge (m3/ hr)	Head Vs Discharge for Pump Type KHM - 4								Discharge Q (m <sup>3</sup> /h)	Head H(Mtr)	Suc. Size mm	Del. Size mm
		kW	HP		0	2	3	4	5	6	7	8				
KHM 0402	2	0.75	1.00	Head (m)	28	26	25	24	19	17	14	10	2-8	26-10	32	25
KHM 0403	3	1.10	1.50		42	40	38	36	29	26	21	15	2-8	40-15	32	25
KHM 0404	4	1.10	1.50		54	52	50	42	38	32	28	20	2-8	52-20	32	25

\*Contact to TSS for other than above mentioned pump-stage combination with supply frequency of 60 Hz.

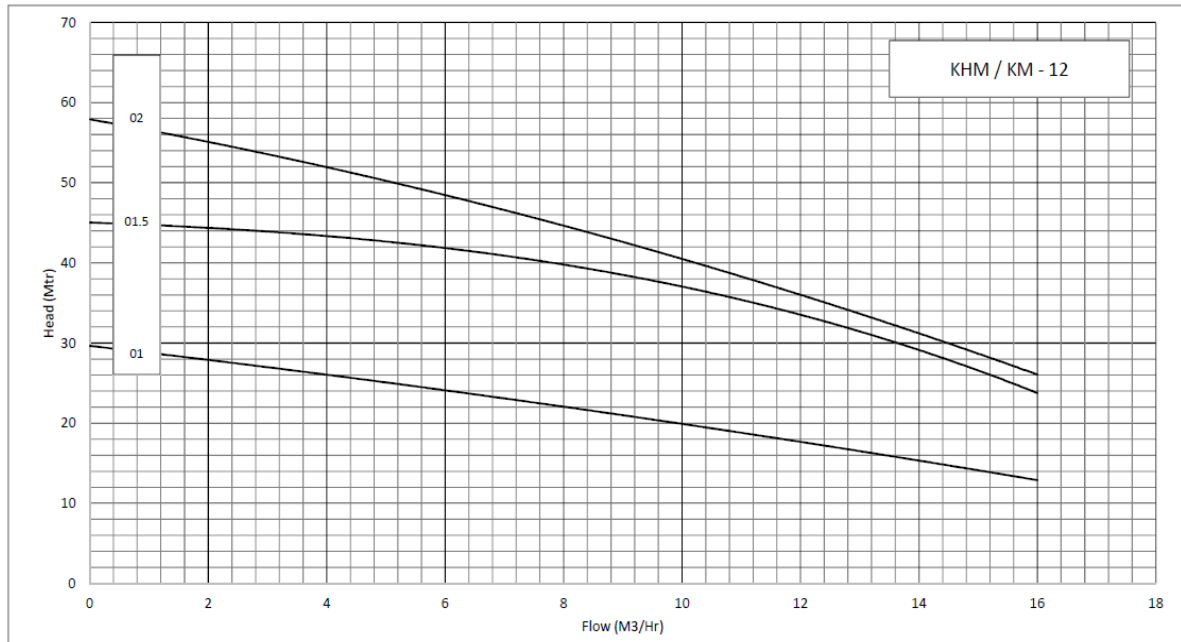
**j. KHM / KM 8 (60 Hz)**



Pump Type	No. of Stages	Motor rating		Q-Discharge (m <sup>3</sup> /hr)	Head Vs Discharge for Pump Type KHM - 8											Discharge Q (m <sup>3</sup> /h)	Head H(mtr)	Suc. Size mm	Del. Size mm
		kW	HP		0	4	5	6	7	8	9	10	12	14					
KHM0801	1	1.00	1.30	Head (m)	27	22	21	20	19	18	16	14	12	8	4-14	22-08	38	38	
KHM0801.5	2	1.50	2.00		42	34	33	32	30	28	26	24	19	15	4-14	34-15	38	38	
KHM0802	2	1.85	2.50		52	45	42	40	38	36	32	28	24	17	4-14	45-17	38	38	
KHM0802.5	3	2.20	3.00		67	58	55	52	50	46	42	38	31	20	4-14	58-20	38	38	
KHM0803	3	3.00	4.00		80	72	70	67	62	58	52	47	35	26	4-14	72-26	38	38	

\*Contact to TSS for other pump-stage combination with supply frequency of 60 Hz.

**k. KHM / KM 12 (60 Hz)**

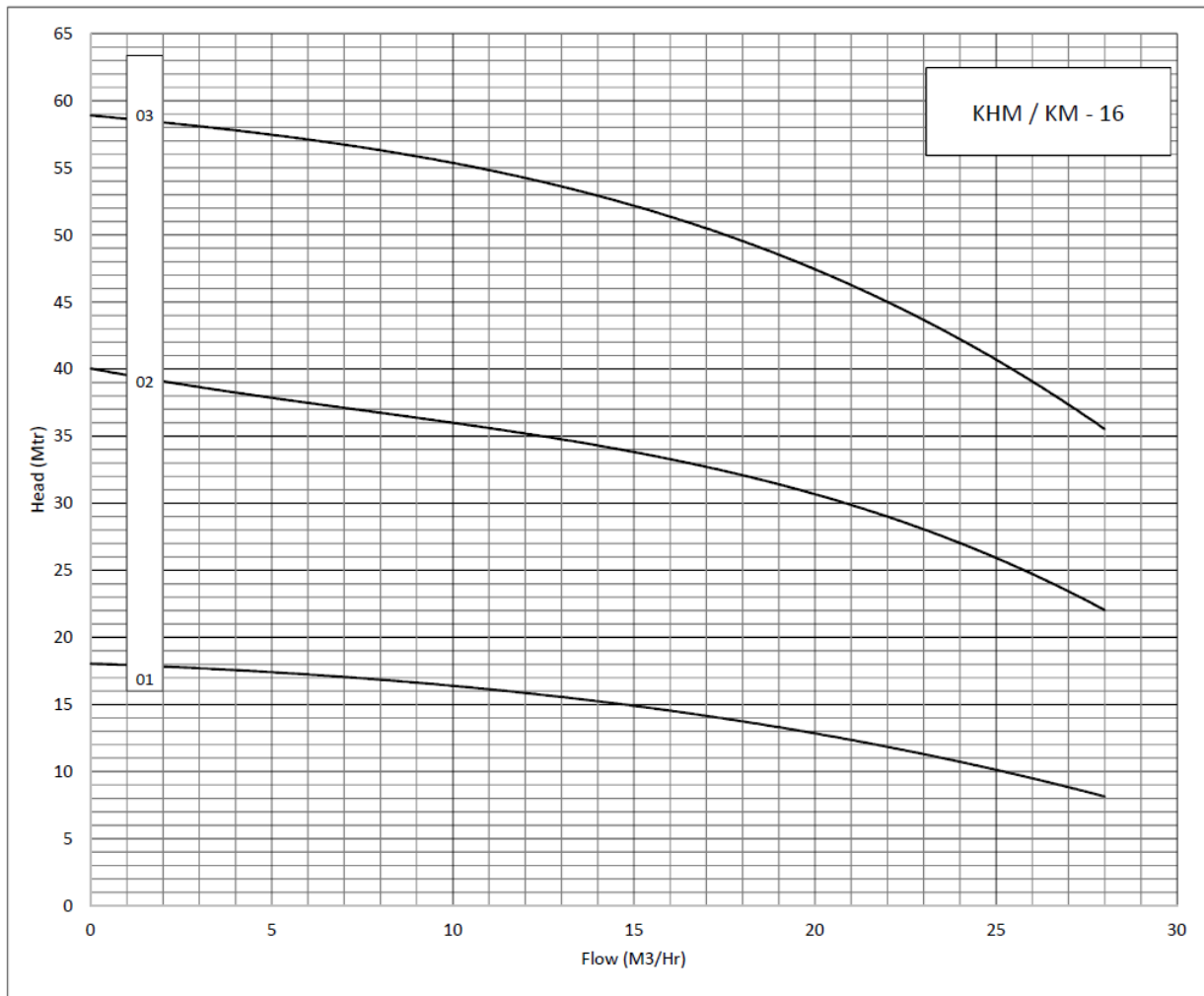


Pump Type	No. of Stages	Motor rating		Q-Discharge (m <sup>3</sup> /hr)	Head Vs Discharge for Pump Type KHM - 12											Discharge Q (m <sup>3</sup> /h)	Head H(mtr)	Suc. Size mm	Del. Size mm
		kW	HP		0	6	8	9	10	11	12	13	14	15	16				
KHM-12																			
KHM1201	1	1.50	2.00	Head (m)	30	23	22	21	20	19	18	17	16	14	12	6-16	23-12	38	38
KHM1201.5	2	2.20	3.00		45	42	40	38	37	35	34	32	29	26	24	6-16	42-24	38	38
KHM1202	2	3.00	4.00		58	48	45	43	40	38	36	34	32	28	26	6-16	48-26	38	38

*\*Contact to TSS for other than above mentioned pump-stage combination with supply frequency of 60 Hz.*



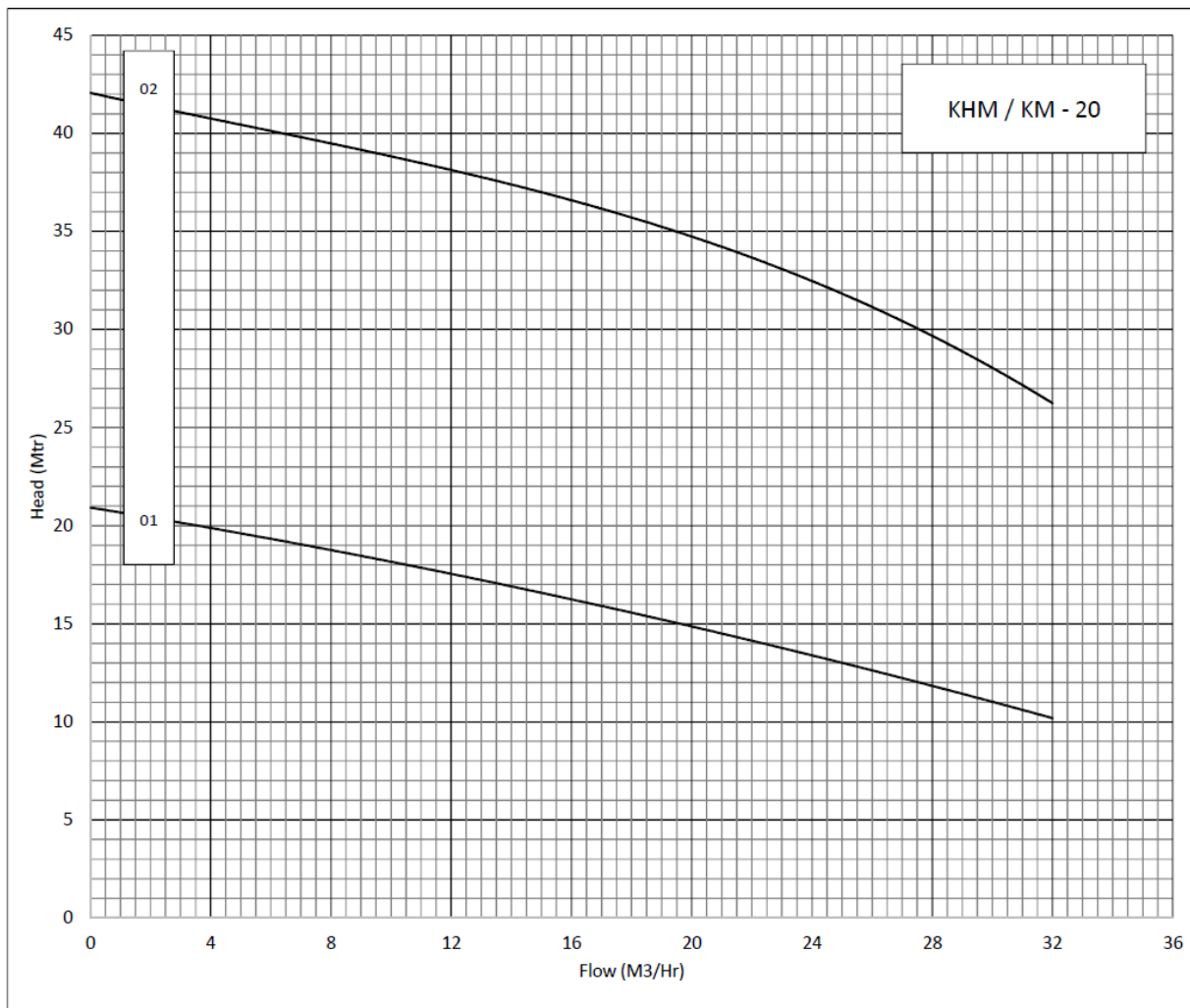
**I. KHM / KM 16 (60 Hz)**



Pump Type	No. of Stages	Motor rating		Head Vs Discharge for Pump Type KHM - 16								Discharge Q (m <sup>3</sup> /h)	Head H(mtr)	Suc. Size mm	Del. Size mm
		kW	HP	Q-Discharge (m <sup>3</sup> /hr)	0	8	12	16	20	24	28				
KHM1601	1	1.50	2.00	Head (m)	18	17	16	14	13	11	8	8-28	17-8	50	50
KHM1602	2	3.00	4.00		40	37	35	33	31	27	22	8-28	37-22	50	50
KHM1603	3	4.00	5.50		59	56	54	52	48	41	36	8-28	56-36	50	50

*\*Contact to TSS for other than above mentioned pump-stage combination with supply frequency of 60 Hz.*

**I. KHM / KM 20 (60 Hz)**

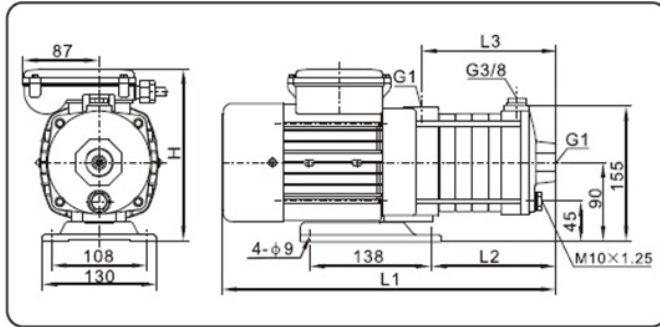


Pump Type	No. of Stages	Motor rating		Head Vs Discharge for Pump Type KHM - 20									Discharge Q (m <sup>3</sup> /h)	Head H(mtr)	Suc. Size mm	Del. Size mm
		kW	HP	Q-Discharge (m <sup>3</sup> /hr)	0	10	14	16	20	24	28	32				
KHM2001	1	1.85	2.50	Head (m)	21	18	17	16	15	13.5	12	10	10-32	18-10	50	50
KHM2002	2	4.00	5.50	Head (m)	42	39	38	36	34	33	30	26	10-32	39-26	50	50

\*Contact to TSS for other than above mentioned pump-stage combination with supply frequency of 60 Hz.

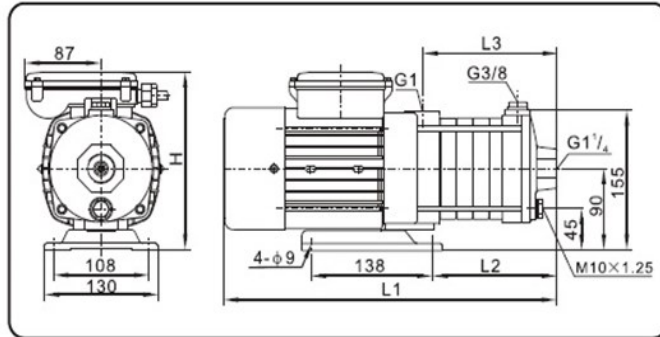
### 13. Dimensional details

#### a. For Pump KHM / KM - 2



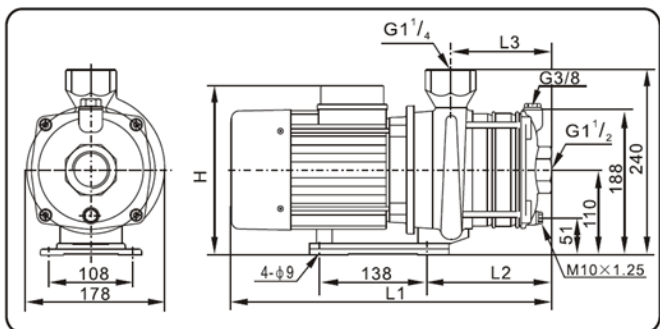
Model	Dimensions(mm)								Weight (kg)
	Single Phase				Three Phase				
	L1	L2	L3	H	L1	L2	L3	H	
KHM 0202	326	70	104	198	326	70	104	194	8.5
KHM 0203	344	88	122	198	344	88	122	194	9
KHM 0204	362	106	140	198	362	106	140	194	9.5
KHM 0205	380	124	158	198	380	124	158	194	10
KHM 0206	398	142	176	198	398	142	176	194	10.5

#### b. For Pump KHM / KM - 4



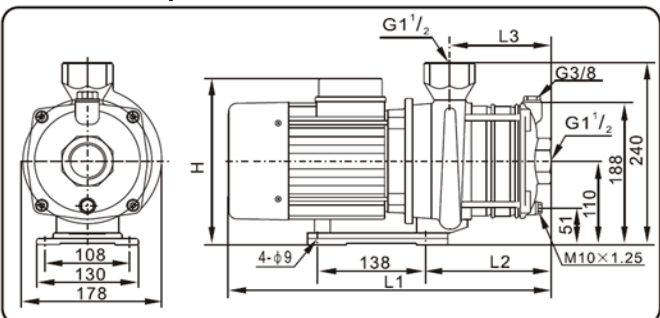
Model	Dimensions(mm)								Weight (kg)
	Single Phase				Three Phase				
	L1	L2	L3	H	L1	L2	L3	H	
KHM 0402	335	79	113	198	335	79	113	194	9
KHM 0403	362	106	140	198	362	106	140	194	10
KHM 0404	389	133	167	198	389	133	167	194	10.5
KHM 0405	416	160	194	198	416	160	194	194	11
KHM 0406	443	187	221	198	443	187	221	194	12

#### c. For Pump KHM / KM - 8



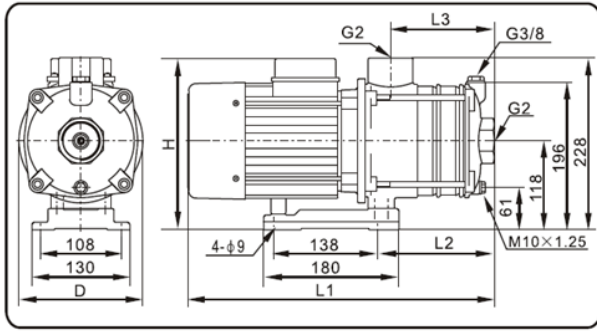
Model	Dimensions(mm)								Weight (kg)
	Single Phase				Three Phase				
	L1	L2	L3	H	L1	L2	L3	H	
KHM 0801	328	73	78	235	328	73	78	214	13
KHM 0801.5	358	103	108	235	358	103	108	214	15
KHM 0802	358	103	108	235	358	103	108	214	18
KHM 0802.5	426	133	138	244	426	133	138	222	20
KHM 0803	468	133	138	230	426	133	138	222	25
KHM 0803.5	500	163	168	230	456	163	168	222	30
KHM 0804	500	163	168	230	456	163	168	222	31

#### d. For Pump KHM / KM - 12



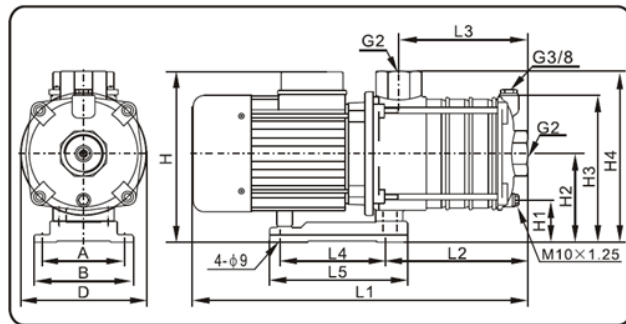
Model	Dimensions(mm)								Weight (kg)
	Single Phase				Three Phase				
	L1	L2	L3	H	L1	L2	L3	H	
KHM 1201	328	73	78	235	328	73	78	214	15
KHM 1201.5	395	103	108	244	395	103	108	222	18
KHM 1202	436	103	108	230	395	103	108	222	20
KHM 1202.5	468	133	138	230	426	133	138	222	24
KHM 1203	-	-	-	-	485	133	138	230	27

**e. For Pump KHM / KM - 16**



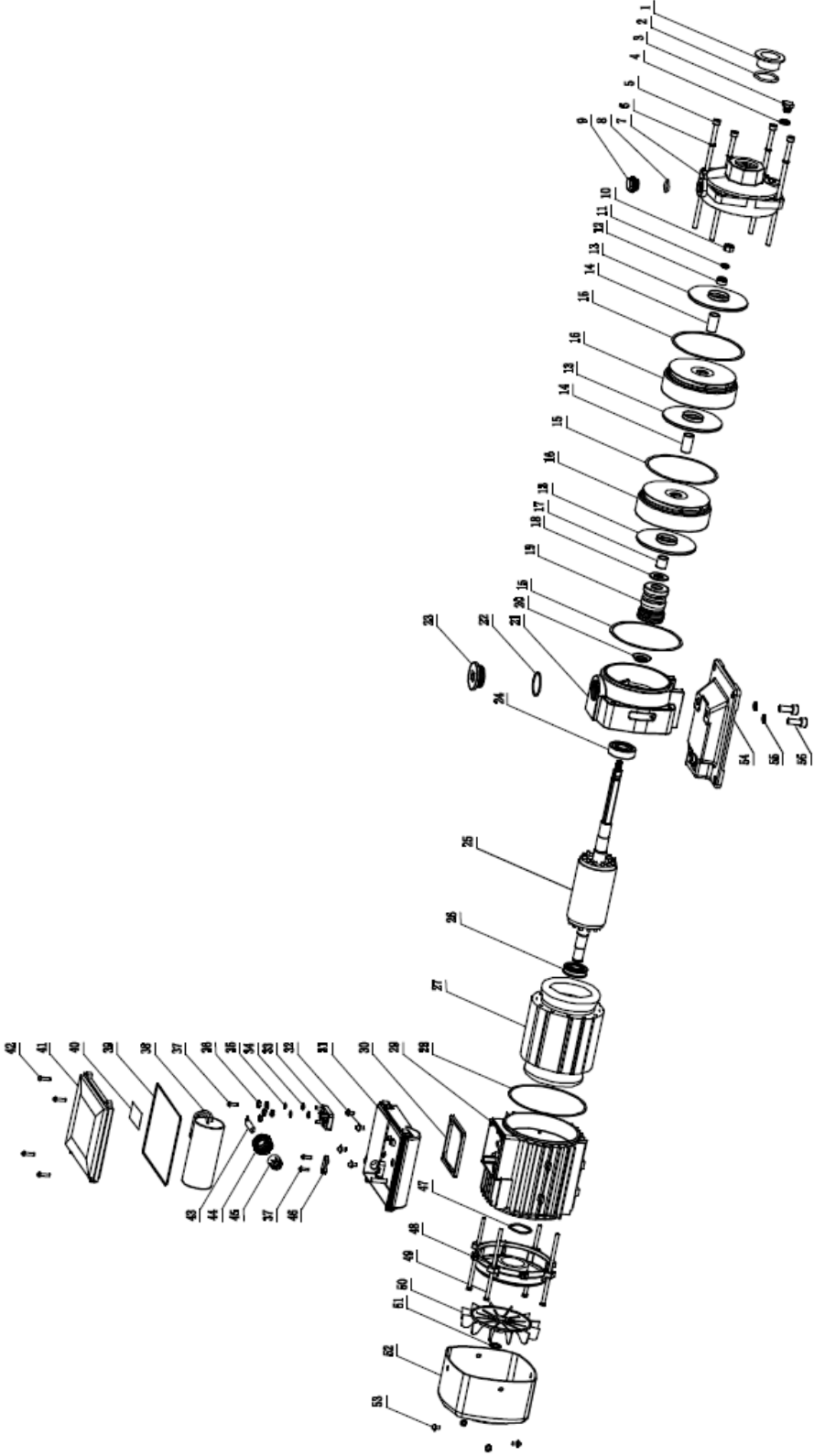
Model	Dimensions(mm)										Weight (kg)
	Single Phase					Three Phase					
	L1	L2	L3	H	D	L1	L2	L3	H	D	
KHM 1601	325	106	81	244	165	325	106	81	218	165	14
KHM 1602	406	151	126	254	165	406	151	126	228	165	20
KHM 1603	493	196	171	235	176	493	196	171	235	176	27
KHM 1604	-	-	-	-	-	555	241	216	235	176	30

**f. For Pump KHM / KM - 20**



Model	Dimensions(mm)														Weight (kg)
	L1	L2	L3	L4	L5	H	H1	H2	H3	H4	A	B	D		
KHM 2001	325	106	81	138	180	244	61	118	196	228	108	130	165	16	
KHM 2002	450	151	126	138	180	235	61	118	196	228	108	130	176	26	
KHM 2001T	325	106	81	138	180	218	61	118	196	228	108	130	165	15.5	
KHM 2002T	406	151	126	138	180	228	61	118	196	228	108	130	165	25.5	
KHM 2003T	510	196	171	138	180	235	61	118	196	228	108	130	176	30	
KHM 2004T	575	316	216	140	175	248	43	100	178	210	160	200	195	35	

14. Sectional Drawing (KHM or KM)



Sr. No.	Name	Specification	Material	Qty
1	Dust Cap		PP	1
2	O-Ring	d42 x 3.1	NBR	1
3	Drainage Plug		SS 304	1
4	Plug Pad		PA66	1
5	Hexagonal Bolt	As Per Req.	A3	4
6	Spring Washer	Ø6	A3	4
7	Inlet Suction		FG 200	4
8	O-ring	d15 X 2.4	NBR	4
9	Water Injection Plug		SS 304	1
10	Locked Nut	M8	SS 304	1
11	Spring Washer	Ø8	SS 304	1
12	Impeller Fix Run		SS 304	1
13	Impeller		SS 304	N
14	Long Sleeve	L=26.4	SS 304	N
15	Seal Gasket		RUBBER	N
16	Middle Section		SS304	N
17	Short Sleeve	L=15	SS304	1
18	Axes Washer		SS304	1
19	Mechanical Seal	LX155-16		1
20	B Type Shaft Seal Ring	Ø17	NBR	1
21	Outlet Section		FG 200	1
22	Dust Cover Pad		NBR	1
23	Dust Cap		PP	1
24	Bearing	6203-2Rs/Z3		1
25	Rotor Assembly			1
26	Bearing	AC6202		1
27	Stator Assembly			1
28	Seal Pad		INSULATION PAPER	1

Sr. No.	Name	Specs	Material	Qty
29	Motor Base		ADC 12	1
30	Terminal Box Pad		NBR	1
31	Bottom Part of Terminal Box		ABS	1
32	Cross Recessed Pan Head Screw and Washer Assembly	M4 X 8	A3	4
33	Connection Pole		MELAMINE + A3	1
34	serrated Lock Washer External Teeth	Ø4	A3	2
35	Seal Gasket		RUBBER	2
36	Hexagonal Nut	Mm4	A3	5
37	Cross Recessed Pan Head Tapping Screw	ST3.5 x 13	A3	3
38	Capacitor	As per Req.		1
39	O-ring		NBR	1
40	Wiring Diagram		STICKER	1
41	Upper part of Terminal Box		ABS	1
42	Cross Recessed Pan Head Screw	ST3.5 x 16	SS 304	4
43	Cable			1
44	Junction Box Nut		ABS	1
45	Junction Box Plug		RUBBER	1
46	Cable Gland		ABS	1
47	Wave Spring Washer	D35	65Mn	1
48	Back Cover		ADC 12	1
49	Hexagon Bolt	M5 X 142	A3	4
50	Fan		PP	1
51	Axial Spring Collare	d14	65Mn	1
52	Fan Cover		ABS+PC	1
53	Cross Recessed Pan Head Screw and Washer Assembly	M4 X 8	SS 304	2
54	Base		KHT330-08	1
55	Spring Washer	Ø4	A3	2
56	Inside Hexagonal Bolt	M8 x 20	A3	2

**Section 2**  
**MultiBOOST**



## 1. Introduction

MultiBOOST comprises a KHM/KM pump with squirrel-cage motor in close-coupled design. The MultiBOOST system is a pressure booster pump set. The system comes along with Non-return valve, 24L Pressure tank, Pressure switch and accessories like Five-way connector, Y strainer, pressure gauge and 1.5m long connection cable along with 3pin plug. MultiBOOST Series available in only Single-Phase Variant.

## 2. Application

- Single Pressure Booster
- Water Transfer Application
- Office Buildings
- Multi-Jet Shower Panel

## 3. Operating Conditions

- Fluid Temperature : +15 °C ~ +70 °C
- Ambient Temperature : ≤ 50 °C
- Maximum Suction Lift : 3 Mtrs
- Maximum Pressure : 10 Bar
- Supply Voltage : 220 VAC (+6 to -15%) ...Only Single Phase
- IP Rating : IP 55
- Insulation Class : Class F
- Mode of Operation : Continuous Operation S1
- Installation : Horizontal Installation

#### 4. Nomenclature

**Multi-BOOST KHM 04 04 1.0HP 24 Ltr**

Type Series ←

Pump Type ←

KHM / KM

Pump Hydraulic ←

02, 04, 08

Number of Stages ←

Motor HP Rating ←

Pressure Tank Capacity ←

24 Ltr

#### 5. Material of Construction

Sr. No.	PART NAME	MOC
1	Pump	KHM
2	Non-Return Valve	Brass
3	Strainer	Brass
4	Five Way Connector	Brass
5	Pressure Tank	Carbon Steel

*\*For SS316 Hydraulic components Contact to TSS*

## 6. Operating Data

Pump Type	No. of Stages	Motor Rating		Motor Current		Head Vs Discharge for Pump Type KHM - 2									No of 15MM Shower Head
		kW	HP	1 Ph	3 Ph	Q-Discharge (m <sup>3</sup> / hr)	0.00	1.00	1.50	2.00	2.50	3.00	3.50		
KHM 0202	2	0.37	0.50	3.70	1.40	Head (m)	17	16	15	14	12	10	8	2	
KHM 0203	3	0.37	0.50	3.70	1.40		25	24	23	21	19	16	12	3	
KHM 0204	4	0.37	0.50	3.70	1.40		33	32	30	28	25	21	16	3	
KHM 0205	5	0.37	0.50	3.70	1.40		42	40	38	35	31	26	20	4	
KHM 0206	6	0.75	1.00	6.20	2.20		50	48	46	42	37	31	24	5	

Pump Type	No. of Stages	Motor rating		Motor Current		Head Vs Discharge for Pump Type KHM - 4									No of 15MM Shower Head
		kW	HP	1 Ph	3 Ph	Q-Discharge (m <sup>3</sup> / hr)	0.0	2.0	3.0	4.0	5.0	6.0	7.0		
KHM 0402	2	0.37	0.50	3.70	1.40	Head (m)	16	14	13	12	10	8	6	3	
KHM 0403	3	0.75	1.00	6.20	2.20		27	24	22	19	17	13	10	5	
KHM 0404	4	0.75	1.00	6.20	2.20		36	32	29	26	22	18	13	6	
KHM 0405	5	1.10	1.50	7.00	3.10		46	41	38	35	30	26	21	7	
KHM 0406	6	1.10	1.50	7.00	3.10		56	50	46	42	36	31	25	8	

Pump Type	No. of Stages	Motor rating		Motor Current		Head Vs Discharge for Pump Type KHM - 8								No of 15MM Shower Head
		kW	HP	1 Ph	3 Ph	Q-Discharge (M3/ hr)	0.0	4.0	5.0	6.0	7.0	8.0	10.0	
KHM 0801	1	0.37	0.50	3.70	1.40	Head (m)	17	15	14	13	12	12	8	4
KHM 0801.5	2	0.75	1.00	6.20	2.20		24	23	21	20	19	17	11	6
KHM 0802	2	1.10	1.50	7.00	3.10		34	30	28	27	25	23	17	7
KHM 0802.5	3	1.50	2.00	12.00	4.20		45	40	38	36	32	25	19	8
KHM 0803	3	2.20	3.00	12.00	4.20		51	45	43	40	38	35	26	10
KHM 0803.5	4	2.20	3.00	16.00	5.60		55	53	48	45	41	38	26	10
KHM 0804	4	2.20	3.00	16.00	5.60		68	60	57	54	50	46	33	11

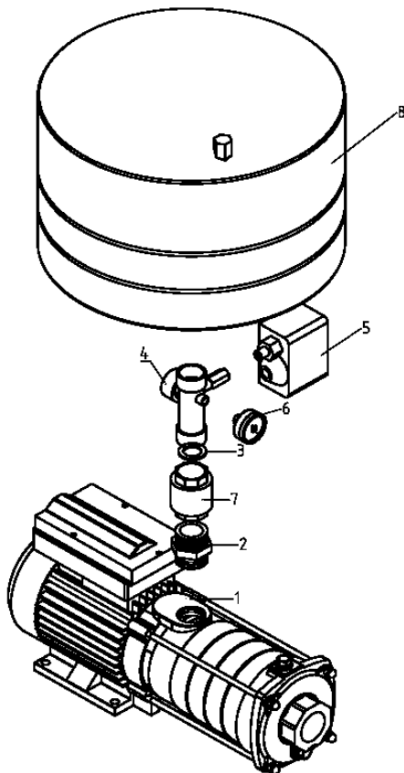
## 6. MultiBOOST kW Rating List

Sr. No.	Description	kW / HP Rating
1	MULTI-BOOST KHM0202 0.5 HP (24 LTR)	0.37 / 0.50
2	MULTI-BOOST KHM0203 0.5 HP (24 LTR)	0.37 / 0.50
3	MULTI-BOOST KHM0204 0.5 HP (24 LTR)	0.37 / 0.50
4	MULTI-BOOST KHM0205 0.5 HP (24 LTR)	0.37 / 0.50
5	MULTI-BOOST KHM0206 1.0 HP (24 LTR)	0.75 / 1.00
6	MULTI-BOOST KHM0402 0.5 HP (24 LTR)	0.37 / 0.50
7	MULTI-BOOST KHM0403 1.0 HP (24 LTR)	0.75 / 1.00
8	MULTI-BOOST KHM0404 1.0 HP (24 LTR)	0.75 / 1.00
9	MULTI-BOOST KHM0405 1.5 HP (24 LTR)	1.10 / 1.50
10	MULTI-BOOST KHM0406 1.5 HP (24 LTR)	1.10 / 1.50
11	MULTI-BOOST KHM0801 0.5 HP (24 LTR)	0.37 / 0.50
12	MULTI-BOOST KHM0801.5 1.0 HP (24 LTR)	0.75 / 1.00
13	MULTI-BOOST KHM0802 1.5 HP (24 LTR)	1.10 / 1.50
14	MULTI-BOOST KHM0802.5 2.0 HP (24 LTR)	1.50 / 2.00
15	MULTI-BOOST KHM0803 3.0 HP (24 LTR)	2.20 / 3.00
16	MULTI-BOOST KHM0803.5 3.0 HP (24 LTR)	2.20 / 3.00
17	MULTI-BOOST KHM0804 3.0 HP (24 LTR)	2.20 / 3.00

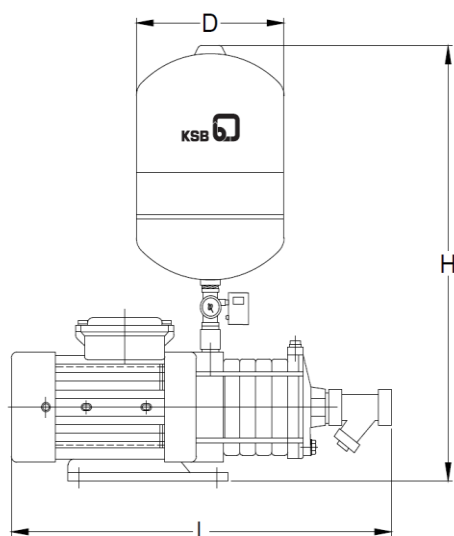
*\*For other multiBOOST pump models contact to TSS*

Sr. No.	Part Description
1	Pump (KHM / KM)
2	Hex Nipple (Male to Male Connector)
3	O-Ring
4	Five-way Connector
5	Pressure Switch
6	Pressure Gauge
7	NRV
8	Tank

## 7. Exploded View MultiBOOST Pump-set



## 8. Dimensional Details



Model	H	D	L
multiBOOST KHM 0202	815	305	454
multiBOOST KHM 0203	815	305	472
multiBOOST KHM 0204	815	305	490
multiBOOST KHM 0205	815	305	508
multiBOOST KHM 0206	815	305	523
multiBOOST KHM 0402	815	305	460
multiBOOST KHM 0403	815	305	487
multiBOOST KHM 0404	815	305	514
multiBOOST KHM 0405	815	305	541
multiBOOST KHM 0406	815	305	568
multiBOOST KHM 0801	900	305	453
multiBOOST KHM 0801.5	900	305	483
multiBOOST KHM 0802	900	305	483
multiBOOST KHM 0802.5	900	305	551
multiBOOST KHM 0803	900	305	593
multiBOOST KHM 0803.5	900	305	625
multiBOOST KHM 0804	900	305	625

\*All Dimensions are in mm