

Worm Geared Motors HMD/I

Housing: Aluminium, corrosion-inhibited coating, with mounting holes for flexible foot and flange mounting.

Worm shaft: Hardened and ground.

Worm gear: Bronze on grey cast iron hub.

Lubrication: Synthetic oil (lubricated for life).

Motor: Standard three-phase motor with small flange B14, 230/400V, 50Hz. **From 0.75 kW in efficiency class IE3.**

Other motor versions (AC motor, posistor, forced ventilation, brake etc.) on request.

Light-weight, high-quality model range with many mounting options. These maintenance-free, geared motors without ventilation can be used in **any mounting position**. The mounting positions V5 and V6 (worm shaft vertical) are however not recommended for continuous operation.

Output shaft push-in type: The basic gearbox version has a hollow shaft. They can, however, also be supplied with a push-in type output shaft (single sided, to be used left and right, or double sided). These output shafts have their own product number and have to be ordered separately.

Variable mounting: The geared motors are supplied without foot mounting. The foot mounting, which has to be ordered separately, can however easily be screwed on, if a foot mounting is required. The position of the foot can be changed for different mounting positions.

Retrofittable flange: If an output-side flange mounting is required, this flange can easily be mounted by the customer. These flanges have their own product number and have to be ordered separately.

Ordering details: e.g.: Prod. No., Type, Motor power, Output Speed
If required: Output shaft single sided (or double sided), Prod. No., Gearbox Size
Foot Mounting, Gearbox Size, Prod. No.
Output Flange, Gearbox Size, Prod. No.
Torque Arm, Gearbox Size, Prod. No.



P = Power
 n_2 = Output Speed
 T_2 = Output torque

f_B = Operating factor
 i_{ist} = Ratio

Product No. Standard Version	P kW	n_2 min ⁻¹	T_2 Nm	f_B	i_{ist}	Gearbox Size	Motor Size	Weight kg	Accessories (order separately)*			
									Product No. Single-Sided Output Shaft	Product No. Double-Sided Output Shaft	Product No. Foot Mounting	Product No. Output Flange
438 009 05	0,09	9	44	1,2	100	050	63A6	8	438 051 00	438 052 00	438 053 00	438 054 00
438 009 10	0,09	12,9	34	1,1	70	045	63A6	7	438 041 00	438 042 00	438 043 00	438 044 00
438 009 15	0,09	15	30	1,5	60	045	63A6	7	438 041 00	438 042 00	438 043 00	438 044 00
438 009 20	0,09	19,6	24	1,9	46	045	63A6	7	438 041 00	438 042 00	438 043 00	438 044 00
438 009 25	0,09	23	19	1	61	030	56B4	4,5	438 031 00	438 032 00	438 033 00	438 034 00
438 009 30	0,09	35	14	1,4	40	030	56B4	4,5	438 031 00	438 032 00	438 033 00	438 034 00
438 009 35	0,09	46,7	11	1,8	30	030	56B4	4,5	438 031 00	438 032 00	438 033 00	438 034 00
438 009 40	0,09	70	8	2,2	20	030	56B4	4,5	438 031 00	438 032 00	438 033 00	438 034 00
438 009 45	0,09	93	7	2,7	15	030	56B4	4,5	438 031 00	438 032 00	438 033 00	438 034 00
438 009 50	0,09	140	5	3,2	10	030	56B4	4,5	438 031 00	438 032 00	438 033 00	438 034 00
438 009 55	0,09	200	3	4,7	7	030	56B4	4,5	438 031 00	438 032 00	438 033 00	438 034 00
438 012 05	0,12	12,9	49	0,8	70	045	63B6	7	438 041 00	438 042 00	438 043 00	438 044 00
438 012 10	0,12	17,5	38	1,4	80	050	63A4	7	438 051 00	438 052 00	438 053 00	438 054 00
438 012 15	0,12	20,6	34	1,6	68	050	63A4	7	438 051 00	438 052 00	438 053 00	438 054 00
438 012 20	0,12	30,4	24	1,6	46	045	63A4	6,5	438 041 00	438 042 00	438 043 00	438 044 00
438 012 25	0,12	35	20	1	40	030	63A4	5	438 031 00	438 032 00	438 033 00	438 034 00
438 012 30	0,12	46,7	16	1,2	30	030	63A4	5	438 031 00	438 032 00	438 033 00	438 034 00
438 012 35	0,12	50	16	2,4	28	045	63A4	6,5	438 041 00	438 042 00	438 043 00	438 044 00
438 012 40	0,12	70	12	1,5	20	030	63A4	5	438 031 00	438 032 00	438 033 00	438 034 00
438 012 45	0,12	93	10	1,9	15	030	63A4	5	438 031 00	438 032 00	438 033 00	438 034 00
438 012 50	0,12	140	7	2,2	10	030	63A4	5	438 031 00	438 032 00	438 033 00	438 034 00
438 012 55	0,12	200	5	1,5	7	030	63A4	5	438 031 00	438 032 00	438 033 00	438 034 00
438 018 05	0,18	9,6	86	1,4	94	063	71A6	12	438 061 00	438 062 00	438 063 00	438 064 00
438 018 10	0,18	14	61	0,8	100	050	63B4	8	438 051 00	438 052 00	438 053 00	438 054 00
438 018 15	0,18	17,5	53	1	80	050	63B4	8	438 051 00	438 052 00	438 053 00	438 054 00
438 018 20	0,18	20,6	48	1,2	68	050	63B4	8	438 051 00	438 052 00	438 053 00	438 054 00
438 018 25	0,18	30,4	33	1,2	46	045	63B4	7	438 041 00	438 042 00	438 043 00	438 044 00
438 018 30	0,18	37,8	29	1,4	37	045	63B4	7	438 041 00	438 042 00	438 043 00	438 044 00
438 018 35	0,18	50	22	1,7	28	045	63B4	7	438 041 00	438 042 00	438 043 00	438 044 00
438 018 40	0,18	70	16	1,1	20	030	63B4	6	438 031 00	438 032 00	438 033 00	438 034 00
438 018 45	0,18	100	13	2,2	14	045	63B4	7	438 041 00	438 042 00	438 043 00	438 044 00
438 018 50	0,18	140	10	1,6	10	030	63B4	6	438 031 00	438 032 00	438 033 00	438 034 00
438 018 55	0,18	200	7	2,3	7	030	63B4	6	438 031 00	438 032 00	438 033 00	438 034 00

*More details and further accessories see page 785.

Note for dimensioning and dimensions table see page 787.

Frequency Inverters
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