

Technical Specifications OMS Hypodrive EC 2-25



ANTRIEBSTECHNIK

Gear :

input-torque, max. :	T max. = 250 Nm
input revolution :	n = 1000, 1200 and 1500 rpm
efficiency :	$\eta_n = > 96 \%$
starting efficiency :	$\eta_s = > 90 \%$
average oil temperature :	T = 25 - 30 K above ambient temperature
oil operating time up to :	t = 40.000 hrs
toothing :	life time durability
bearing life time:	140.000 hrs
with equivalent loading:	p.equiv. = 0,5 up to 0,6 * nominal motor power
noise pressure level (1000 rpm) :	L _p = 64 dB(A) (nominal values, dependent on motor power)
gear ratio :	i = 19,99; 22,42 or 24,02
for escalator speed :	v = 0,5 up to 0,75 m/s
version :	single- and Tandem-Units for chain-driving suitable for driving escalators and travelators
position at machine room :	left side (look from escalator to landing conditions)

Motors :

motor protection :	three phase induction motor, 6- and 8 poles, IP 55,
frequency:	integrated fan, suitable for frequency converter
type :	PTC or bimetal-switch
motor-nominal torque :	50 Hz or 60 Hz
	type 225 vertical
	T _n = to 250 Nm

Brake:

braking torque :	double action safety shoe brake free adjustable up to $> 2,4 * T_n$
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Chain wheel:

version :	duplex or triplex,
size :	(20A-24A or 20B-24B) (1 1/4", 1 1/2", 1 3/4")
number of teeth :	z = 15 up to 30
standard :	DIN 8187 / 8188 (ANSI)

Dimension:

see overleaf, total height A according to motor type

Machine Monitoring:

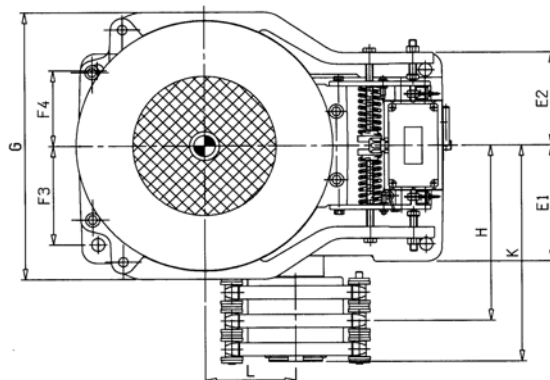
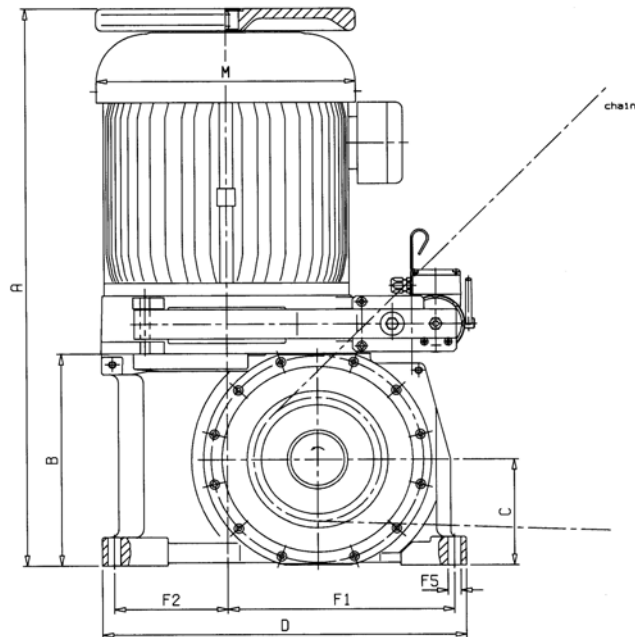
optional for:	brake function monitor brake lining wear monitor vibration measuring sensor oil: temperature, level
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Safety-Sensors :

optional for:	overspeed / machine reversing (NDR)
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oms Hypodrive

version :		EC 2-25
version left		X
version tandem		-
gear ratio		19,99; 22,42; 24,02
input - torque	Nm	250
dimension	mm	
A,max. ***)		975
B		365
C		183
D		610
E1		200
E2		160
F1		371
F2		179
F3		170
F4		130
F5		22
G		460
H , K		dependent on chain size
L		171
***) M , A		dependent on motor size and power



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Version :		EC 2-25
version left		-
version tandem		X
gear ratio		19,99; 22,42; 24,02
input - torque	Nm	250
dimension	mm	see outline

