

Technical Specifications OMS Hypodrive EC 2-7/15/25

(technical modification reserved; update 09/05)



ANTRIEBSTECHNIK

Gear :

input-torque, max. :	T max. = 75Nm / 150Nm / 250 Nm
input revolution :	n = 1000, 1200, 1500 rpm
efficiency :	$\eta_n = > 95 \%$
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:	70.000 up to 140.000 hrs
with equivalent loading:	p.equiv. = 0,5 up to 0,6 * nominal motor power
noise pressure level (1000 rpm) :	L _p = 60 dB(A) (nominal values, dependent on motor power)
(1500 rpm):	L _p = 63 dB(A)
gear ratio	i = 19,44 up to 27,56
for escalator speed :	v = 0,50 up to 0,75 m/s
version:	single- and tandem-machine for chain-driving suitable for driving escalators and travelators
position at machine room :	left hand side (standard) or optional right hand side (EC 2-15) (as viewed from the escalators lower landing platform) Motor orientation: vertical

Motors :

motor protection :	three phase asynchronous induction motor, 4- and 6- poles, IP 55, integrated fan, suitable for frequency converter operation
frequency:	bimetallic switch, PTC optional 50 Hz or 60 Hz
type :	type: 112 up to 225
motor – nominal torque :	T _n = 35 Nm up to 250 Nm

Brake:

braking torque :	single or double action safety shoe brake freely adjustable up to approx. 2,4* T _n
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Chain wheel:

version :	duplex, triplex (quadruplex upon special request)
size :	1 1/4" up to 1 3/4"
number of teeth :	z = 15 up to 30

Machine Monitoring:

optionally :	brake function monitor brake lining wear monitor machine Non Reversing Device (NRD) overspeed oil temperature
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