

Technical data sheet – EC 2-7

Technical changes reserved – Status 05/2023

Input torque, max.	$T_{\max.} =$	93 Nm
Input revolutions	$n =$	1.000, 1.200, 1.500 rpm
Efficiency	$\eta \geq$	96%
Oil quantity:	$V =$	approx. 3,2 liters
Average temperature in oil bath	$T =$	30 - 40 Kelvin above ambient temperature
Oil change intervals	$t =$	up to 40.000 operating hours
Lifetime gearing		Lifetime durability
Lifetime bearings (with oil pump) with equivalent load factor	$t =$ $p_{\text{equiv.}} =$	146.000 operating hours 0,6 x nominal power
Lifetime bearings (w/o oil pump) with equivalent load factor	$t =$ $p_{\text{equiv.}} =$	70.000 operating hours 0,6 x nominal power
Sound pressure level	$L_p =$	60 dB (A) @ 1.000 rpm (25% load) 62 dB (A) @ 1.500 rpm (25% load)
Ratios	$i =$	19,444; 22,418; 27,563
Escalator speed	$v =$	0,5 bis 0,75 m/s
Versions		Single drive unit left suitable for escalators and moving walks
Position in the machine room		Left (seen from the lower landing platform)
Safety requirements fulfilled		DIN EN 115-1: 2017
Motor		3-phase AC asynchronous motor, IP55 suitable for frequency inverter operation
Maximum motor power depends on ratio		max. 9.5kW @ 1.000rpm max. 11kW @ 1.500rpm max. 11kW @ 1.200rpm
Motor protection		Thermal bimetal switch

Brake	1- circuit or 2- circuit safety brake system
Sprocket size number of teeth standard	Duplex 20 A-2; 20 B-2 z= 17 up to 25 DIN 8187 / 8188
Monitoring function	Brake function, brake lining wear

oms Hypodrive		
Gear box		EC 2-7
Dimension	mm	
A, max. ***		841
B		291
C		157
D		500
E1		138
E2		138
G		350
H		231,7
K		273,6
J		30
L		102
F		200
O		264
***) M, A		depends on motor size and power

