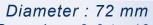


MOTORIZED DRUM Ø72



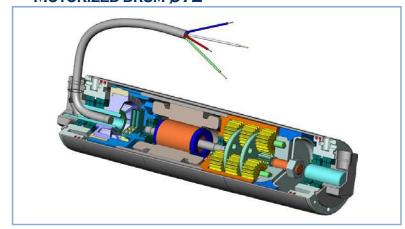






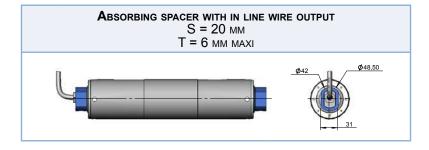
Speed: 2.6 to 46.9 m/min Length: 250 to 1000 mm

MOTORIZED DRUM Ø72



AVAILABLE END CITTINGS

A۱	AILABLE END FITTINGS	
	Aluminium End Fittings S = 20 mm T = 6 mm maxi	PLASTIC END FITTINGS (IN OPTION) S = 15 MM T = 6 MM MAXI
Ахіас оптрит	Ø48,50	Ø 54
Каріац оцтрит	\$ \$ \$ \$ \$ \$ \$	Ø54
	S: END FITTING WIDTH T: NUT WITH +	TIGHTENING LOOSENESS



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FOR A MAXIMUM LOAD OF 120 KG/M INTENSIVE USE: COMPACT STEEL GEAR UNIT 3 RANGES FITTED TO YOUR NEEDS

APPLICATIONS:

- Conveyors
- CHECKOUT COUNTERS
- SPECIFIC MACHINES

TECHNICAL FEATURES:

- Asynchronous motor
- PERMANENTLY LUBRICATED
- •THERMAL CUT-OUT
- ALUMINIUM END FITTINGS
- •STEEL TUBE
- CLASSE F INSULATION
- IP44 or IP66 PROTECTION
- WORKING TEMPERATURE:
- -10°C TO +40°C
- RELATIVE HYGROMETRY UNTIL 95%

OPTIONS AVAILABLE ON DEMAND:

- STAINLESS STEEL TUBE, ZINC PLATED TUBE
- SPECIFIC COATING
- GEOMETRY OF THE TUBE:

CYLINDRICAL, BI CONIC SECTION,

BI TAPERED

- DRUM LENGTH
- CABLE LENGTH
- SPECIFIC VOLTAGES AND FREQUENCIES
- BRAKE
- SPECIFIC WIRES AND END FITTINGS
- ABSORBING SPACERS

COMPLIES WITH THE STANDARDS:

- •EN 60034-1
- •CE

PHOTOGRAPHS AND DATA ARE NON-CONTRACTUAL



	Ineter & Type Output	. Pone.	Linear speed	, , ,	tion ratio	ue in	Tracti	e affort	ight	nice class*	Hensity Interests		
Dis	ur. Onto		Lines	Redu					Se Se	L K.C.S.D.	Myotte		
1)	(watts)	(m/s)	(m/min)		(Nm)	(kg)	(N)	(mm)					
	Motors 25									Single Phase	Three Phase		
		0,04	2,6	1/216	17,7	114	491						
		0,06	3,7	1/152	12,5	81	347						
		0,07	4,2	1/135	11,1	71	307						
		0,09	5,3	1/107	8,8	57	245						
		0,10	5,9	1/95	7,8	50	217						
		0,11	6,7	1/84	6,9	45	192			0.23 A	0.18 A to 230 \		
		0,12	7,4	1/76	6,2	40	173	0.50	S3	2 µF	0,45 A to 400 \		
	25 W	0,14	8,4	1/67	5,5	36	153	250 mm	50% of	(Type CM2	(Type CT2 High		
		0,16	9,5	1/60	4,9	31	135		6s	High Industry)	Industry)		
		0,18	10,7	1/53	4,3	28	120		3,	, ,			
		0,26	15,7	1/36	3,1	20	86						
		0,37	22,3	1/25	2,2	14	61						
		0,52	31,4	1/18	1,6	11	45						
		0,59	35,3	1/16	1,5	9	40						
		0,67	40,4	1/14	1,3	8	35						
	Motors 35									Single Phase			
		0,09	5,3	1/107	12,3	80	343	300 mm					
		0,10	5,9	1/95	10,9	71	303	350 mm					
		0,11	6,7	1/84	9,7	62	269	400 mm					
		0,12	7,4	1/76	8,7	56	242	450 mm		0.05.4			
		0,14	8,4	1/67	7,7	50	214	500 mm	S3	0,35 A			
	35 W	0,16	9,5	1/60	6,8	44	190	600 mm	50% of	2 µF			
		0,18	10,7	1/53	6,0	39	168	800 mm	6s	(Type BM2			
		0,26	15,7	1/36	4,3	28	121	1000 mm		High Industry)			
		0,37	22,3	1/25	3,1	20	85	1000 mm					
		0,52	31,4 35.3	1/18 1/16	2,3	15 13	64 56	>1000 mm :					
		0,59	40.4	1/14	1.8	11	49	on demand					
١.		.,.	- 7	1/14	1,0	- 11	49			O'I- Bl			
	Motors 50\									Single Phase	Three Phase		
		0,09	5,3	1/107	17,6	114	490	300 mm					
		0,10	5,9	1/95	15,6	101	433	350 mm					
		0,11	6,7	1/84	13,8	89	384	400 mm					
		0,12	7,4	1/76	12,4	80	346	450 mm		0.4.4	0.45.44-600		
		0,14	8,4	1/67	11,0	71	306	500 mm	S3	0,4 A	0,45 A to 230		
	50 W	0,16	9,5	1/60	9,8	63	271	600 mm	50% of	3 µF	0,26 A to 400 \		
		0,18	10,7	1/53	8,6	56	240	800 mm	6s	(Type BM2	(Type BT2 High		
		0,26	15,7	1/36	6,2	40	172 122	1000 mm		High Industry)	Industry)		
		0,37	22,3	1/25 1/18	4,4 3.3	28 21	122 91	TOOU TIIT					
			31,4		2,9	19	81	>1000 mm :					
		0,59 0,67	35,3 40.4	1/16 1/14	2,9	16	71	on demand					

Drum designation :

RL	072	400	B/C M	2	1/95
Drum motor symbol	Diameter in mm	Length in mm	xM = Single phase motor xT = Three phase motor	Number of poles	Reduction ratio

HIGH INDUSTRY RANGE

Drum motors are particulary well adapted for the belt conveyors :

- •Steel planetary gear
- •Belt always centered thanks to a specific machining

Motors 30	W - 230v 5	0Hz								Three Phase		
	0,04	2,6	1/216	21,2	137	589						
	0,06	3,7	1/152	15,0	97	416	300 mm					
	0,07	4,2	1/135	13,3	86	368	350 mm					
	0,09	5,3	1/107	10,6	68	294						
	0,10	5,9	1/95	9,4	60	260	400 mm					
	0,11	6,7	1/84	8,3	54	230	450 mm					
	0,12	7,4	1/76	7,5	48	207	500 mm			0,26 A to 230 V		
30 W	0,14	8,4	1/67	6,6	43	184	600 mm	S1		0,15 A to 400 V		
	0,16	9,5	1/60	5,9	38	163	800 mm			(Type BT2 cold)		
	0,18	10,7	1/53	5,2	33	144	1000 mm					
	0,26	15,7	1/36	3,7	24	103						
	0,37	22,3	1/25	2,6	17	73	>1000 mm :					
	0,52	31,4	1/18	2,0	13	54						
	0,59	35,3	1/16	1,7	11	48	on demand					
	0,67	40,4	1/14	1,5	10	42						
Motors 20	W - 230v 5	0Hz							Single Phase			
	0,04	2,6	1/216	14,1	91	393						
	0,06	3,7	1/152	10,0	64	277	300 mm	300 mm				
	0,07	4,2	1/135	8,8	57	246	350 mm 400 mm					
	0,09	5,3	1/107	7,0	46	196						
	0,10	5,9	1/95	6,2	40	173						
	0,11	6,7	1/84	5,5	36	154	450 mm		0,25 A			
	0,12	7,4	1/76	5,0	32	138	500 mm		2 µF			
20 W	0,14	8,4	1/67	4,4	28	122	600 mm	S1	(Type BM2			
	0,16	9,5	1/60	3,9	25	108	800 mm		cold)			
	0,18	10,7	1/53	3,5	22	96						
	0,26	15,7	1/36	2,5	16	69	1000 mm					
	0,37	22,3	1/25	1,8	11	49						
	0,52	31,4	1/18	1,3	8	36	>1000 mm :					
	0,59	35,3	1/16	1,2	7	32	on demand					
	0,67	40,4	1/14	1,0	7	28	2 22					

COLD RANGE

- Allows a continued service class S1
- The drum motor does not warm the belt in contact
- Is recommended for high temperature environments
- Is recommended for the conveying of temperature sensitive products. (food industry, ...)
- Is compulsory if the tube has got a coating

	Motors 70	W - 230v !	50Hz							Single Phase	
		0,11	6,7	1/84	19,3	125	537				
		0,12	7,4	1/76	17,4	112	484	300 mm			
		0,14	8,4	1/67	15,4	100	428	350 mm			
		0,16	9,5	1/60	13,7	88	379	400 mm	S3	0,60 A	
	70 W	0,18	10,7	1/53	12,1	78	336	450 mm	50% of	6 μF	
		0,26 0,37	15,7 22,3	1/36 1/25	8,3 5,8	53 38	229 162	500 mm 600 mm	6s	(Type BM2 reinforced)	
ਰ		0,57	31,4	1/18	4,1	27	115	>1000 mm :		remorcea)	
8		0,52	35,3	1/16	3,7	24	102	on demand			
چ		0,67	40,4	1/14	3,2	21	89	on domand			
Reinforced	Motors 80				- 7						Three Phase
2 R(0,14	8,4	1/67	17,6	102	439	300 mm			
Ø72		0,16	9,7	1/60	15,7	91	393	350 mm			
		0,18	10,7	1/53	13,9	81	347	400 mm 450 mm			
	80 W	0,26	15,7	1/36	9,4	55	236	500 mm S3 50% of		0,55 A to 230 V (Type BT2	
		0,38	22,6	1/25	6,5	38	164	600 mm 800 mm	6s		reinforced)
		0,52	31,4	1/18	4,7	27	118	1000 mm			
		0,59	35,3	1/16	4,2	24	105	>1000 mm :			
		0,67	40,4	1/14	3,7	21	92	on demand			

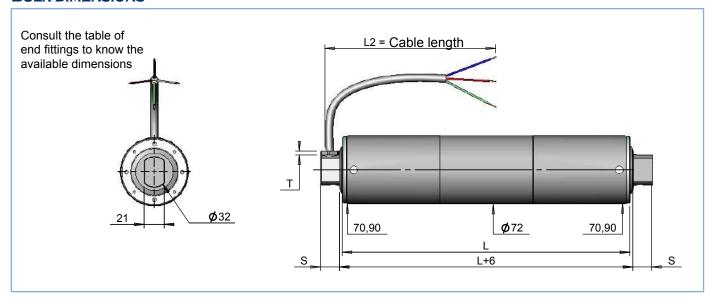
REINFORCED RANGE

Increase of the available power and torque for the conveying of loads

• S3 service class of 50% on a 6 minute cycle

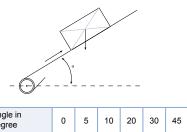
*The indicated values are given for a 2 meter long conveyor

BULK DIMENSIONS



INSTALLATION AND USING RECOMMENDATIONS

Angle of the belt:



Angle in degree	0	5	10	20	30	45
% of the conveyed load	-	72	64	50	34	16

To adjust the tension of the conveyor belt:

Switch on the conveyor with the maximum load on the belt. Tight the belt until the load moves. Finish the adjustment by the tightening of screws while keeping the belt centered.

Speed (m/min)	Tension of the belt for 10,000 hours of working (Newton)						
	L<800m	L>800mm					
3 to 5	1200	2700					
6 to 12	850	2000					
18 to 47	700	1500					

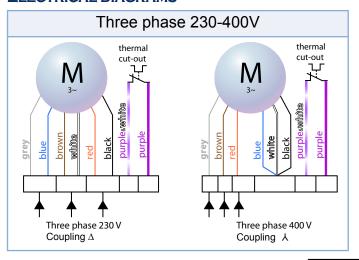
Drum motors weight

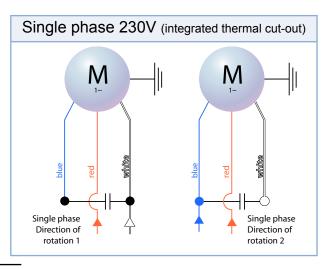
Tube length (mm)	250	300	350	400	450	500	600	800	1000	>1000
Weight (kg)	4	4,5	4,6	4,8	5	5,2	5,6	6,4	7,2	+0,1 kg by 50 mm



- Do not use the drum motor without belt (risk of overheat)
- Do not vulcanize the drum motor
- · Connect the thermal switch in series with the supply of the coil from the motor contactor
- The conveyor length must not exceed 4 meters

ELECTRICAL DIAGRAMS





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SIREM can make your dr	um according to your p	roject requirements.						
For a request of quotation fill the form below and fax it to +33 478.55.83.19								
(also available on our we	ebsite <u>www.sirem.fr</u> to <i>P</i>	roducts/Drum motors).						
Оате :	COMPANY:	Town/City:						
	Last Name:	Postcode:						
Ref :	FIRST NAME:	Country:						
	Position:	Activity:						
	EMAIL:	Tel:						
,	Address:	Fax:						
our application :		Geometry :						
Scrolling billboard		 Bi-tapered □ Cylindrical □ 						
Supermarket check out	ıt 🗆	 Bi-conic section ☐ Indifferent ☐ 						
Belt conveyor	<u> </u>							
Others		Tube finish:						
Describe your ap	nlication :	 Zinc plated □ Aluminium □ 						
Describe your ap	pilcation .	 Not galvanized steel ☐ Indifferent ☐ 						
		 Stainless steel 						
		 Specific coating □ 						
 Characteristics of the con Length of the belt (mm 	•	Stipulate :						
• Width of the belt (mm)):	Power supply :						
 Weight to be drawn (k 	g) :	• Single phase 24 volts pc 50 Hz						
• Belt speed (m/s) :		Three phase 110 volts 60 Hz 60						
• Usage continuous		230 volts						
Intermittent	t 🔲 - Stipulate :	380 volts						
		Frequency inverter □						
Environment	_	1 requerity inverter 🗀						
 Specific standards 		Connector technology						
Name the standa	rds :	Axial output						
 Specific constraints 		• Radial output □						
Stipulate the con-	straints :	• Specific connector □						
Protection index : IP		Stipulate :						
Temperatures : Mini (°	C):	Cable length (mm) :						
Maxi (°	°C):	33.7 ()						
• Dusty]	End fittings						
• Damp]	Plastic Aluminium						
		 Space dampers □ 						
Гube :		None						
• Length of drum (mm):								
• Diameter (mm) :	_	Quantity:pieces						
<u> </u>	Ø89 🔲	Complementary information :						
• Ø72□ Ø	110 🗆							
• Ø80 □ Ø	115 🗆							