LOW SPEED AGITATORS

PA SERIES

(Low viscous fluids-Tanks up to 400 m^3-Atmospheric pressure)

PA



PA series are gear drive mixers suited with a high three blade T10, T12 or T25 efficiency propeller which maximizes flow optimizing big volume processes.

Recommended for low viscosity flow controlled applications, PA mixers generate the same flow as pitched blade mixers with 40% less power consumption and 50% less torque.

Their simple design provides dependable operation. Helical gears are selected consider high service factors far beyond AGMA requirements for long service life.

FEATURES

Gear drive.
Rotation speed from 50 to 150 rpm.
Rigid coupling.
Solid bar or pipe shaft.
Axial three bladed propeller.

APPLICATIONS

Homogenization.
Dilution.
Dissolution.
Reagents preparation.
Neutralization.
Solid suspension.
Liquid-liquid dispersion
Solid-liquid dispersion.
Heat transfer.

OPERATIONAL LIMITS

Tanks up to 400 m^3.
Viscosity up to 2.000 cPs.
They can be operated with empty tank or during draining.

POWER

Three or single phase motors.
Power > 0,55kW.
Motors can be selected to suit legislative and regional requirements included Atex.

WETTED PARTS MATERIAL

Carbon steel epoxy coated.
Stainless steel AISI304 & AISI316.
Special alloys.

OPTIONS

Speed variator.
Second propeller.
Lip seal.
FDA certified.
Special protection against dust and water.
Wetted parts ebonite coated.

* TIMSA mixers are designed to work 24 hours per day. Seven days a week.

* We recognize the importance of material traceability and can provide a quality documentation package with the mixer. We can include CE Conformity, FDA Confirmity, Quality Plan, 3.1 Construction materials certificates and Surface Finish Certificates.

TIMSA® MIXING TECHNOLOGY

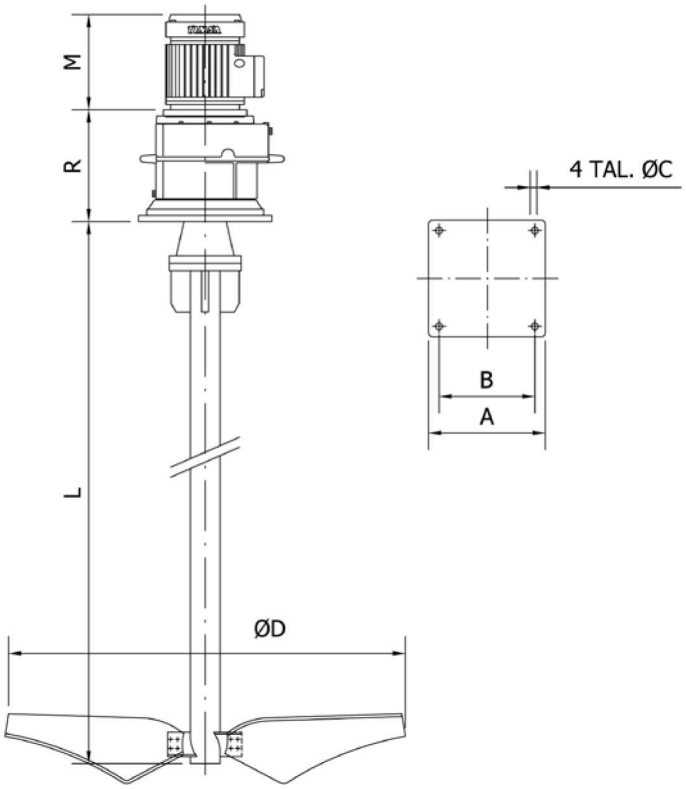
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Model	kW	Rpm	L (mm)	D (mm)
PA-03 12 C 05	0,37	80	3.000	800
PA-04 13 C 05	0,55	105	3.000	800
PA-05 12 C 07	0,75	80	3.500	1.000
PA-06 13 C 07	1,1	100	3.500	1.000
PA-07 12 C 08	1,5	80	4.000	1.200
PA-08 13 C 08	2,2	100	4.000	1.200
PA-10 13 C 09	4	80	4.000	1.400
PA-08 11 C 10	2,2	100	4.500	1.600
PA-11 12 C 10	5	55	4.500	1.600
PA-09 11 C 11	3	80	4.500	1.800
PA-12 12 C 11	7,5	55	4.500	1.800
PA-09 10 C 12	3	80	4.500	2.000
PA-11 11 C 12	5,5	55	4.500	2.000
PA-10 09 C 13	4	30	5.000	2.500
PA-11 10 C 13	5,5	40	5.000	2.500
PA-11 09 C 14	5,5	30	5.000	3.000
PA-14 10 C 14	15	40	5.000	3.000



Mounting flange	A (mm)	B (mm)	C (mm)
PA-04 12 C 05	300	250	16
PA 05 12 C 07	300	250	16
PA-07 12 C 08	300	250	16
PA-08 12 C 09	400	350	18
PA-08 11 C 10	400	350	18
PA-12 12 C 11	520	460	24
PA-11 10 C 13	620	560	28
PA-14 10 C 14	850	750	30

* Most frequent assemblies. Your TIMSA sales engineer is available to discuss the specific details of your application to make sure the optimum mixer is selected for your needs.

* Design features, materials of construction and dimensional data as described in this bulleting are provided for your information only and subject to change without previous notice.

* For more information go to **www.timsa.com**

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