

Factory-Verified Replacement

MERYDOM VR273I00

Certified for interchange with La Leonessa VR273I00. This document consolidates the public product record, complete published specifications, technical media, source traceability and engineering confirmation notes.

LEVEL 3 - MERYDOM ENGINEERING VERIFIED

Reviewed by MERYDOM Engineering Department. Final application approval must confirm loads, duty cycle, mounting rigidity, bolt capacity, lubrication and operating conditions.

MERYDOM MODEL
VR273I00

REFERENCE
La Leonessa VR273I00

SERIES
VRI-40 Series

STRUCTURE
s ral makaral

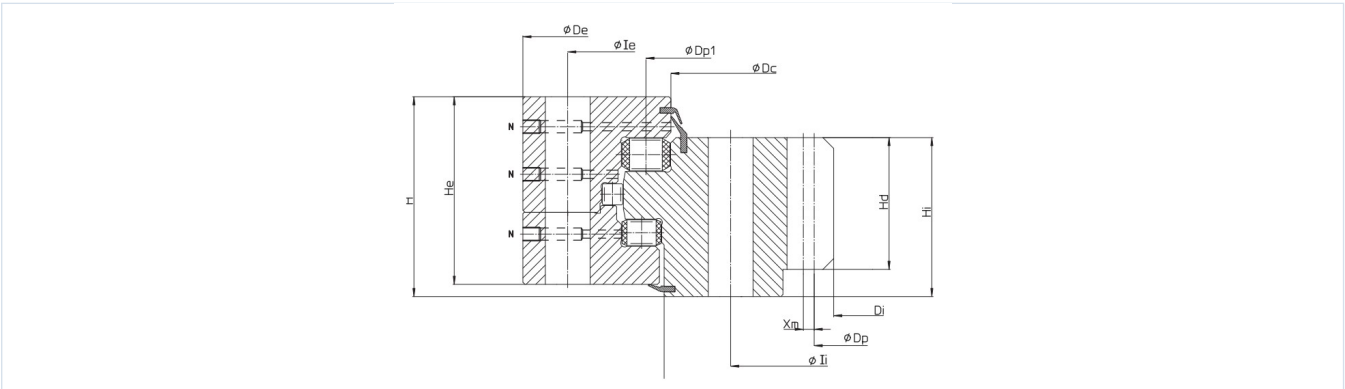
OVERALL OD
2,738 mm

OVERALL ID
2,163.6 mm

OVERALL HEIGHT
220 mm

GEAR
ten di li

Published Technical Drawing



la-leonessa-vri-40-drawing.webp

Complete Product Data

All values below are generated from the current public verified replacement record. Source values are retained and metric references are shown where available.

MERYDOM CERTIFIED PRODUCT	
Product brand	MERYDOM
MERYDOM model	VR273I00
Certified interchangeable with	La Leonessa VR273I00
Verification status	Level 3 - MERYDOM Engineering Verified
Reviewed by	MERYDOM Engineering Department
Public record UID	T6AC22SDNYJDT75RGM3R7IT4JV
MATERIALS	
Configurable ring material options	42CrMo / 50Mn
Seal material	NBR - Nitrile rubber
Configurable spacer material options	Engineering nylon / Brass
IDENTIFICATION	
Reference brand	La Leonessa
Reference series	VRI-40 Series
Reference model	VR273I00
Bearing structure	s ral makaral
Gear arrangement	ten di li
DIMENSION	
Mass (P)	2 885 kg
Overall outside diameter (De)	2 738 mm
Overall inside diameter (Di)	2 163,6 mm

Complete Product Data

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DIMENSION (CONTINUED)	
Overall height (H)	220 mm
Dim Dc (DC)	2 550 mm
Dim DI (DI)	2 462 mm
Dim Hi (Hi)	170 mm
Dim He (He)	210 mm
MOUNTING	
Outer ring bolt circle (Ie)	2 660 mm
Outer ring mounting-hole count (ne)	44
Outer ring mounting-hole specification (Me)	M36
Inner ring bolt circle (Ii)	2 335 mm
Inner ring mounting-hole count (ni)	44
Inner ring mounting-hole specification (Mi)	M36
GEAR	
Gear pitch diameter (Dp)	2 178 mm
Gear module (m)	18 mm
Gear tooth count (Z)	121
Addendum modification product x*m (xm)	-9 mm
Liebherr catalogue gear dimension k*m (km)	-1,8 mm
Gear Tooth Height (Hd)	169 mm
PERFORMANCE	

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PERFORMANCE (CONTINUED)	
Normal tooth force (F _{nom})	270 kN
Maximum tooth force (F _{max})	540 kN
MISCELLANEOUS	
Raceway Pitch Diameter (D _{p1})	2 500 mm
Lubrication Zerk Count (N)	8
PERFORMANCE RATINGS	
Rating Tooth Force Normal	270 kN Not simultaneous with other listed dynamic ratings
Rating Tooth Force Max	540 kN Not simultaneous with other listed dynamic ratings
MOUNTING INTERFACES	
Outer ring mounting	44 holes - 44; M36
Inner ring mounting	44 holes - 44; M36
GEAR INTERFACE	
Pitch system	module
Module reference	18 mm
Number of teeth	121
SOURCE TRACEABILITY	
Source document code	LA-LEONESSA-THREE-ROW-ROLLER-CATALOG-2019
Source file	broc-3-giri-2019_p12.pdf
PDF page	8
Printed page	8
Source language	EN

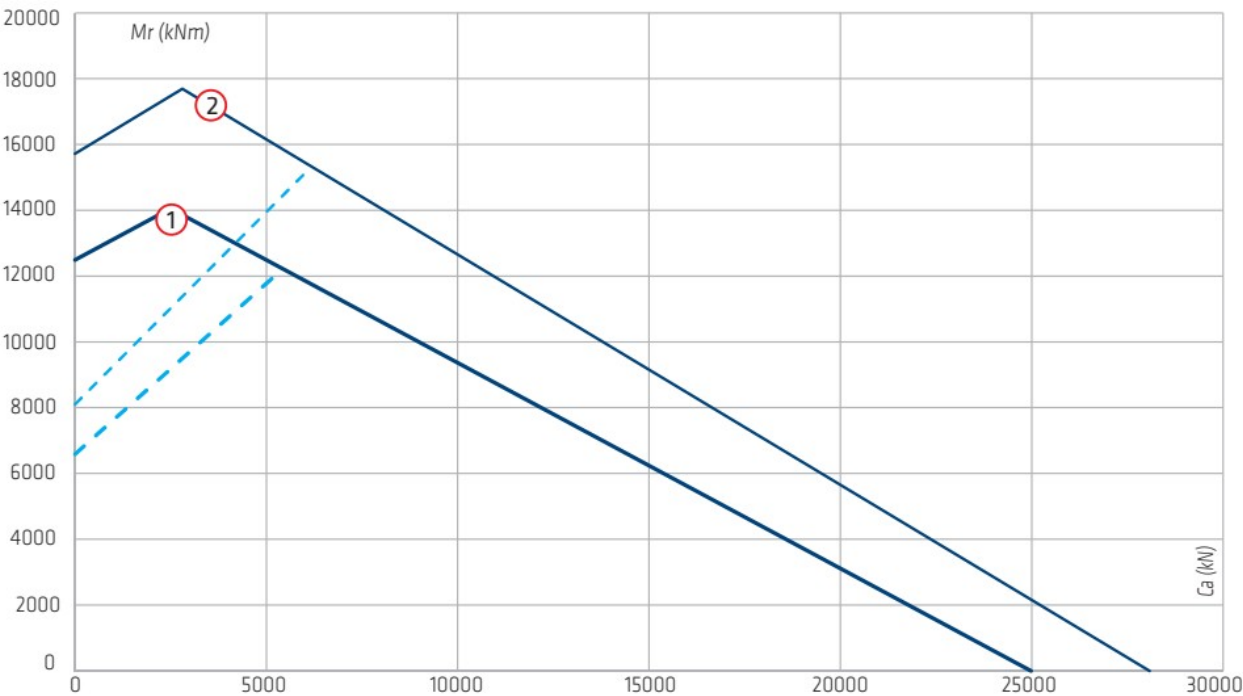
Complete Product Data

All values below are generated from the current public verified replacement record. Source values are retained and metric references are shown where available.

SOURCE TRACEABILITY (CONTINUED)	
Original unit system	Metric
PUBLISHED TECHNICAL MEDIA	
Load Curve Chart	la-leonessa-vri-40-static_load_curve.webp SHA-256: 6e02ca34fbb8476e563acad359ca74d850e99797bf2d38c53e6ec18ec6bb0ee5
Outline Drawing	la-leonessa-vri-40-drawing.webp SHA-256: c2b7eaec3d3c1709d5c5759306aef67b52c27d34601989f60cba8d1551ff1b92

Published Load / Performance Chart

Use the published chart as a preliminary selection aid only. The model legend, curve family and source document must be reviewed together with the operating load case.



la-leonessa-vri-40-static_load_curve.webp | SHA-256:
6e02ca34fbb8476e563acad359ca74d850e99797bf2d38c53e6ec18ec6bb0ee5

Engineering note: final approval must also consider mounting rigidity, bolt capacity, duty cycle, lubrication, temperature, environment and installation conditions.

Source and Verification Traceability

PUBLIC RECORD UID

T6AC22SDNYJDT75RGM3R7IT4JV

SOURCE FILE

broc-3-giri-2019_p12.pdf

VERIFICATION

**Level 3 - MERYDOM Engineering
Verified**

SOURCE DOCUMENT

**LA-LEONESSA-THREE-ROW-ROLLER-CATALOG
-2019**

SOURCE LOCATION

PDF page 8 | Printed page 8

REVIEWED BY

MERYDOM Engineering Department

Engineering Confirmation Boundary

- 1 Confirm the exact model designation and all installation-envelope dimensions.
- 2 Confirm mounting-hole quantity, bolt circle, hole specification, bolt grade and preload.
- 3 Confirm gear arrangement, pitch system, tooth count, backlash and mating-pinion data.
- 4 Confirm axial, radial and moment loads, load combinations, duty cycle and required life.
- 5 Confirm support flatness and stiffness, lubrication, sealing, temperature and environment.
- 6 Final drawing revision, manufacturing tolerances and documentation package are confirmed with the quotation.

Request Price, Delivery and Final Engineering Confirmation

Email: jovi@merydom.com | Email: andi@merydom.com | WhatsApp: +86 17705201170

Product page: <https://rotnex.com/tr/urunler/muadil-doner-tabla-rulmanlari/la-leonessa/vr273i00/>

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