

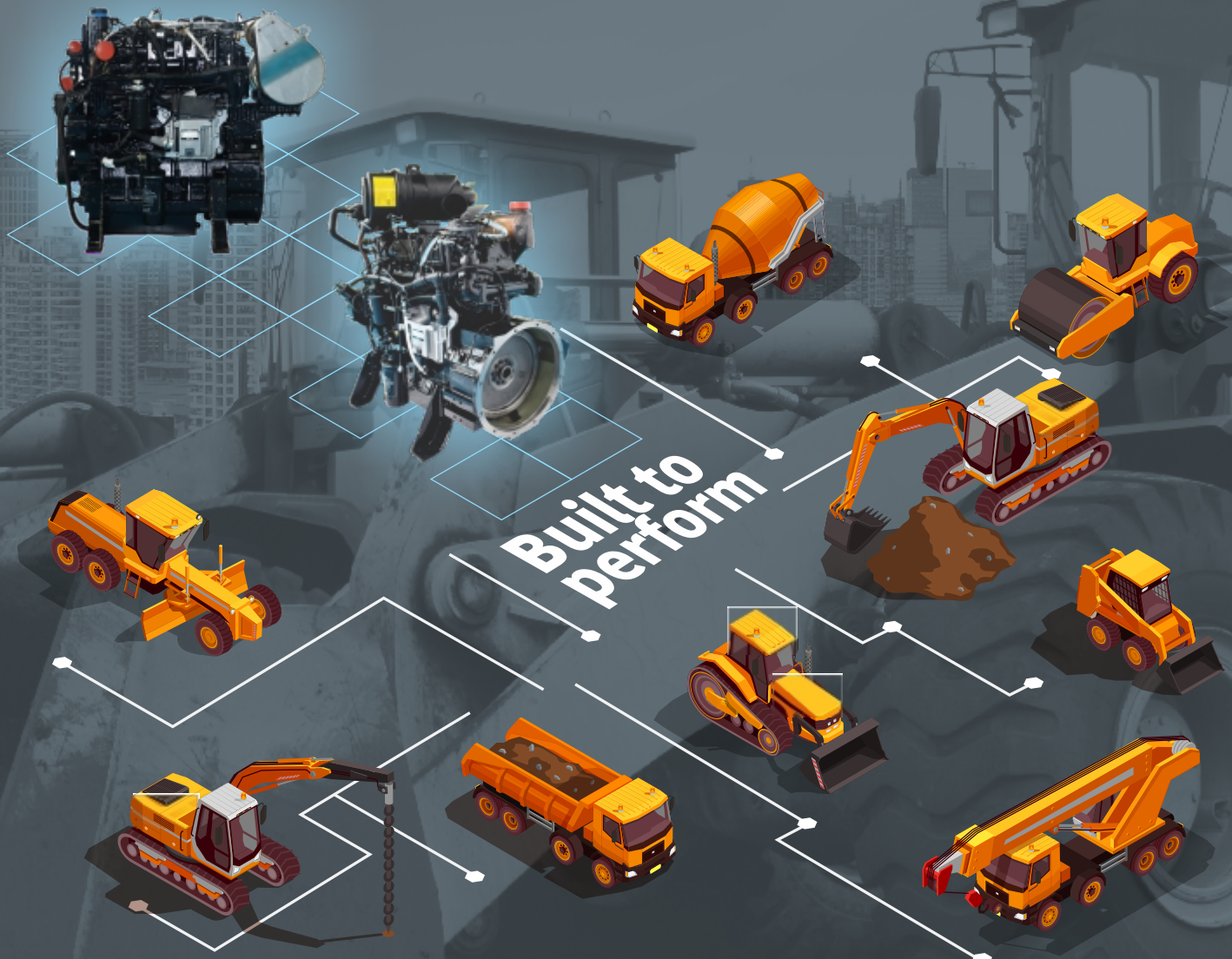


Enriching Lives

Rugged, fuel efficient &
Technologically superior

BSIV engines

Built to perform

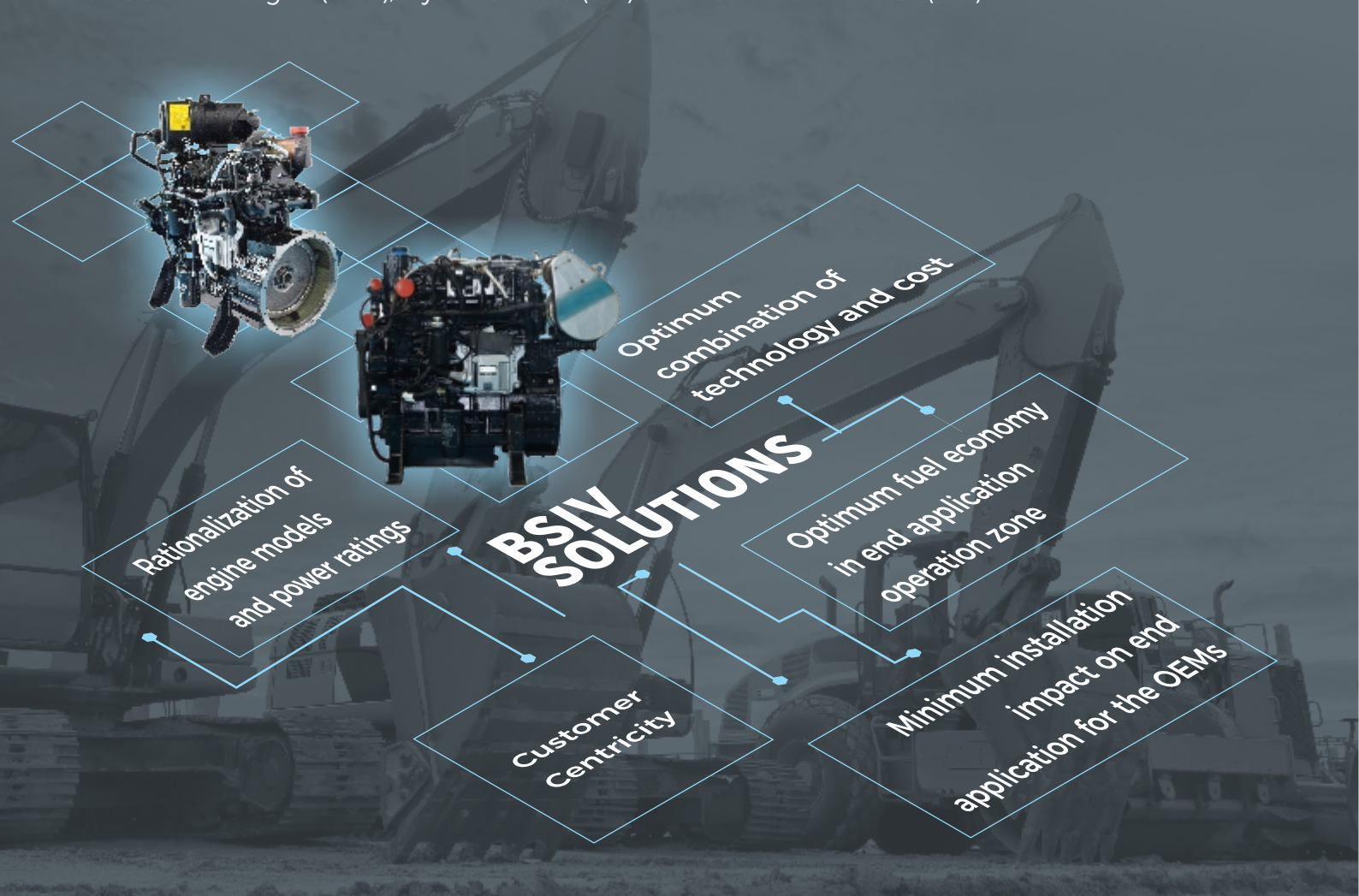


KIRLOSKAR OIL ENGINES LIMITED
A Kirloskar group company

Getting Future Ready

BS IV norms for CEV will be applicable for engines with power output exceeding 37 kW and are equivalent to EU Stage-IV norms in Europe from April 1, 2021.

These norms call for extreme reduction in allowable limits of engine out emissions namely Oxides of Nitrogen (NOx), Hydrocarbons (HC) and Particulate Matter (PM)



BSIV Engine ratings.

Sr. no.	Engine model	Aspiration	Engine rating (HP/RPM)
1	4R810	Naturally Aspirated	49/2200
2	4R1040	Naturally Aspirated	49/2200 & 49/2000
3	4R1190	Naturally Aspirated	74.5/2200
4	4R1190TA	Turbocharged After cooled	74.5/2200 HT - High Torque
5	4R1190TA	Turbocharged After cooled	110/2200
6	4R1190TA	Turbocharged After cooled	130/2200
7	4K1080TA	Turbocharged After cooled	150/2200 *
8	6R1190TA	Turbocharged After cooled	150 & 170 HP/2200 *

* Under development stage

BS IV Product Offering for Industrial Applications

Equipment	BS III Rating (HP / rpm)	KOEL Product BS III Emissions	BS IV Rating (HP / rpm)	KOEL Product BS IV Emissions
Backhoe Loader				
	49/2200	4R810	49/2200	4R810
	60/2400	4R810T	74.5/2200	4R1190
	76/2200	4R1040T		
	90/2200	4R1040TA	74.5/2200	4R1190TA
	96/2200	4R1040TA	(HT*)	
Self Loading Transit Mixer				
	60/2400	4R810T	49/2200	4R810
	76/2200	4R1040T	74.5/2200	4R1190
	110/2200	4R1040TA	110/2200	4R1190TA
			130/2200	4R1190TA
Compactor				
	76/2200	4R1040T	74.5/2200	4R1190
	105/2200	4R1040TA	110/2200	4R1190TA
			130/2200	4R1190TA
Paver				
	76/2200	4R1040T	74.5/2200	4R1190
	105/2200	4R1040TA	110/2200	4R1190TA
	125/2300	6R1080TA	130/2200	4R1190TA
Excavator**				
	60/2100	4R1040	49/2200	4R1040
	76/2200	4R1040	74.5/2200	4R1190
	94/1950	4R1040T	74.5/2200 (HT*)	4R1190TA
	105/2200	4R1040T	110/2200	4R1190TA
	150/1950	6R1080T	130/2200	4R1190TA
			150/2200	4K1080TA
Wheel Loader				
	76/2200	4R1040T	74.5/2200	4R1190
	96/2200	4R1040TA	110/2200	4R1190TA
	125/2300	6R1080TA	130/2200	4R1190TA
Motor Grader				
	90/2200	4R1040TA	110/2200	4R1190TA
	169/2300	6R1080TA	130/2200	4R1190TA
Skid Steer Loader				
	49/2200	4R810	49/2200	4R810
	60/2400	4R810T		
Crane				
	49/2200	4R810	49/2200	4R810
	76/2200	4R1040T	74.5/2200	4R1190
	110/2500	4R1040TA	110/2200	4R1190TA
	130/ 2500	6R1080TA	130/2200	4R1190TA
Forklift				
	49/2200	4R810	49/2200	4R810
	76/2200	4R1040T	74.5/2200	4R1190
	96/2200	4R1040TA	110/2200	4R1190TA
Telehandler				
	76/2200	4R1040T	74.5/2200	4R1190
Combine Harvester				
	101/2200	6R1080TA	110/2200	4R1190TA
			130/2200	4R1190TA

** Non emission

*HT – High Torque

Salient Features of BSIV Engines...



4R810 ENGINE - 49HP

- Naturally aspirated engine
- No requirement of After treatment
- Mechanical Fuel system



4R1040 ENGINE - 49HP

- Naturally aspirated engine
- No requirement of After treatment
- Mechanical Fuel system



4R1190 ENGINE 74.5 HP

- Naturally aspirated engine
- Engine mounted DOC,
- No requirement of SCR and DPF
- Engine Mounted ECU (Engine control unit)



4R1190TA ENGINE 110HP & 130HP

- Turbocharged after cooled engine
- Engine Mounted ECU
- Engine mounted DOC + SCR



Enriching Lives

KIRLOSKAR OIL ENGINES LIMITED

A Kirloskar Group Company

Regd Office: 13, Laxmanrao Kirloskar Road, Khadki, Pune, Maharashtra 411 003 INDIA

Tel.: +91(20) 2581 0341 Fax: +91(20) 2581 3208, 2581 0209 Helpline: +91 8806 33 44 33

Email: koel.helpdesk@kirloskar.com Website: www.koel.co.in

- Technical details mentioned above may vary as per site condition / situation. As continuous improvements are contemplated the description and illustrations are not binding.
- This catalogue is copyrighted and may not be reproduced in any form, not even parts of it, without previous written permission by copyright owners, Kirloskar Oil Engines Ltd.